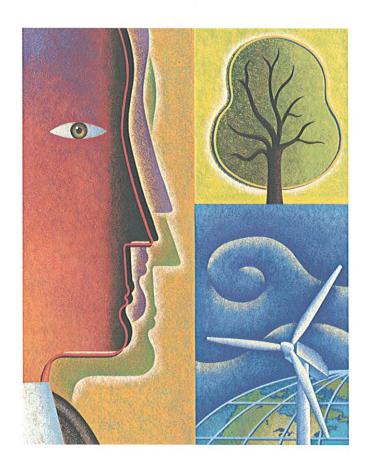


Addendum to the Remedial Action Report (RAR) Source Reduction

Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey USEPA ID No. NJD002168748

July 2010





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Introduction

On behalf of L.E. Carpenter & Company (LEC), RMT, Inc. (RMT) is presenting this Addendum to the United States Environmental Protection Agency (USEPA) and New Jersey Department of Environmental Protection (NJDEP) approved Remedial Action Report (RMT, 2005) (herein the "RAR Addendum") memorializing implementation of the USEPA approved MW19HS1 remedial action outlined in the report entitled *Addendum to the Remedial Action Work Plan for Source Reduction* (RMT, September 2009) (herein the "RA Work Plan Addendum"), and response to regulatory comments on the RA Work Plan Addendum dated December 21, 2009 ("RA Work Plan Addendum Response Document").

The contents of this document follow the general requirements outlined in N.J.A.C. 7:26E-6.7, and the USEPA guidance document entitled *Remedial Action Report - Documentation for Operable Unit Completion*" (OSWER Directive 9355.0-39FS). Specifically, this RAR Addendum provides 1) a summary of site history and background, 2) a chronology of events, 3) a discussion of the various areas of environmental concern (AOCs), 4) a discussion of construction related permits, approvals and certifications, 5) details regarding construction site preparations and layout, 6) MW19HS1 specific remedial actions, cleanup objectives, and performance criteria, 7) construction quality assurance, and health and safety, 8) waste management, 9) site restoration, 10) remedial costs, and 11) summaries of proposed post remedial action groundwater monitoring activities.

Section 1 Physical Setting and Background

Outlined below is a summary of the site physical setting and operational history. A more comprehensive summary of these topics is presented in the Remedial Action Report (RAR) Source Reduction (RMT, 2005).

1.1 Site Location

The Dayco Corporation/L.E. Carpenter Superfund Site (herein the "Site") is located at 170 North Main Street, in the Borough of Wharton, Morris County, New Jersey (Figure 1). The Site comprises Block 301, Lot 1 and Block 801, Lot 3 on the tax map of the Borough of Wharton, and occupies 14.6 acres of vacant land in a mixed-use industrial, commercial, and residential area. The Site is bordered to the south by the Rockaway River; by a vacant lot (Wharton Enterprises) to the east-southeast; and by a former compressed gas facility (Air Products) to the northeast. A residential/commercial area borders the site to the northwest (Ross Street) and North Main Street borders the site to the west. A drainage ditch is located between the Air Products property and the Site. A pedestrian foot trail (rails-to-trails area), constructed along the former railroad right-of-way, bisects the Site from north to south. During active LEC operations, the Site consisted of several buildings and structures, some of which were partially demolished during the early 1990's as part of site decommissioning activities. Buildings 8, 15, 16, and 17, located to the west of the rails-to-trails area, remain. Figure 2 is a map of the general Site plan that depicts individual buildings present at the Site and other pertinent Site features.

1.2 Site Operational History

As outlined below, historical Site operations have been subdivided into two categories (1) mining and forging, and (2) vinyl wall covering manufacturing.

1.2.1 Mining and Forging Operations

Morris County and the Wharton area has been an iron mining district since the early 1700's. The earliest known use of the Site was as an iron forge, termed the "Washington Forge." The Washington Forge was built in about 1795 and probably used iron ore from deposits in and around the Wharton area. Economically viable iron deposits were discovered at the Site, subsequently Site operations changed from forging to underground iron mining. According to a New Jersey Department of Labor publication (NJDOL, 1989), the Washington Forge Mine and West Mount Pleasant Mine are located "in the LEC lot." The NJDOL report states that the Washington Forge Mine opened in

1868 with the construction of two inclined shafts 20 feet apart on the grounds of the old forge.

The mine was worked until 1875 when it was closed because of the difficulty in handling groundwater seepage into the mine (Bayley, 1910). The mine reportedly opened again in 1879 after a drainage tunnel to the Orchard mine was completed. The Orchard mine was located south across the Rockaway River from the LEC site. The Washington Forge mine was permanently abandoned in 1881. The West Mt. Pleasant Mine connects with the Washington Forge Mine with an inclined access shaft located about 170 feet northeast of the southern-most Washington Forge mineshaft. The iron forge and mining history above shows that transportation of iron ores from various locations in Morris County onto the LEC property occurred over a period of at least 86 years (1795–1881). Much of the fill materials found on-site was derived from these iron mining operations.

1.2.2 Vinyl Wall Covering Manufacturing

The LEC facility was involved in the production of vinyl wall coverings from 1943 to 1987. The making of vinyl wall coverings involves several manufacturing processes that were carried out in the various buildings comprising the Site. The first step in the process is referred to as lamination. Lamination involves the bonding of fabric to the vinyl film using a plastisol adhesive in conjunction with heat and pressure. The fabric/film laminate is then coated with a plastisol compound in order to texturize the material in preparation for printing. The printing process involves the application of decorative print patterns and/or protective topcoat finishes. When printing is completed, the product is inspected and packaged for shipment to the consumer.

The manufacturing process involved the generation of liquid waste solvents including xylene and methyl ethyl ketone, waste pigments, and the generation of condensate from fume condensers. Additionally, airborne particulate matter was collected via a dust collector. Non-contact cooling water was discharged into the Rockaway River under a New Jersey Pollution Discharge Elimination System Permit. From 1963 until 1970 LEC disposed of its wastes, including a polyvinyl chloride (PVC) waste material into an unlined on-site impoundment. The facility was originally heated by coal, and later converted to #6 fuel oil.

Former vinyl manufacturing operations west of the rails-to-trails area, including raw material storage, drum storage and printing, occurred in the former Building 9. The lamination process was performed in Building 8, located directly to the east of Building 9.

Active manufacturing of vinyl wall coverings ceased at the site in 1987. Since that time the portion of the Site east of the pedestrian trail (former railroad crossing) has been inactive except for remedial, investigative, and monitoring related activities. Access is currently restricted to the area east of the pedestrian trail by a locked gate and an 8-foot high chain-link fence. Some of the buildings west of the pedestrian trail have been subleased as commercial or retail space.

Section 2 MW19HS1 Chronology of Events

In accordance with the USEPA guidance document entitled *Remedial Action Report - Documentation for Operable Unit Completion*" (OSWER Directive 9355.0-39FS), a chronology of events specific to the preparation, permitting and implementation of the MW19HS1 remedial action is provided in Appendix A.

Section 3 AOCs, COCs and Performance Standards

As outlined in Section 2 of the RA Work Plan Addendum, the USEPA assumed the role of lead regulatory agency in August 2009, with the implementation of a new Unilateral Administrative Order (UAO) and associated Scope of Work (SOW) for the Site. Section IA of the SOW outlines the three (3) remaining Areas of Concern (AOCs) at the site. The MW-30 and MW19HS1 AOCs contain residual source soils at concentrations above applicable soil cleanup criteria that act as continuing sources of shallow groundwater contamination. The third AOC is site wide shallow groundwater impacted above applicable groundwater quality criteria. The following section outlines the MW19HS1 AOC, remedied through the implementation of the remedial action memorialized in this RAR Addendum.

3.1 MW19HS1 AOC

The MW19HS1 AOC, located at the northwest corner of the site (Figure 2), has been under investigation, remediation, and monitoring since impact was discovered following the removal of two underground storage tanks (USTs) in 1990. An NJDEP Notice of Deficiency (NOD) dated June 20, 2007 following review of the May 2006 Soil Gas Investigation suggested the presence of a "...residual long term source of dissolved BTEX contamination", and required the development and submittal of a Remedial Action Selection Report (RASR). In accordance with the submittal extension granted by NJDEP, a RASR was submitted for review in September 2007. An NJDEP NOD dated October 16, 2008 generally agreed with the remedial approach outlined in the RASR but required the submittal of a Remedial Investigation Workplan (RIW) as the full vertical and lateral extent of contamination in this AOC was not yet understood. A RIW proposing further delineation was prepared and submitted for review in November 2008.

No formal comments on the November 2008 RIW were received. However; conversations with USEPA suggested combining the remedial investigation outlined in the RIW and remediation outlined in the RASR into one mobilization. RMT, on behalf of LEC, submitted a Letter of Intent (LOI) dated January 5, 2009 concurring with this approach. As outlined in the 2009 LOI and this RAR Addendum, the MW19HS1 area soil remedy was excavation and restoration, in compliance with the 1994 Record of Decision (ROD) and 2007 Explanation of Significant Difference (ESD) document. *In-situ* chemical oxidation (polishing) was an additional remedial step originally proposed in the RASR, but was withdrawn from consideration as this would have required an Amendment to the 1994 ROD.

3.2 MW19HS1 COCs and Performance Standards

MW19HS1 Contaminants of Concern (COCs) and their associated media are:

- Benzene, toluene, ethylbenzene, and xylenes (BTEX): Soil and Groundwater
- Bis (2-ethylhexyl) phthalate (DEHP): Soil and Groundwater
- Lead: Groundwater

Quarterly site wide groundwater and surface water monitoring for COCs and natural attenuation (NA) parameters is ongoing. COCs within the MW19HS1 area are limited to on-site areas, and data continues to show that intrinsic bioremediation processes are strong and actively working to break down COCs related to residual soil contamination. Figure 3 shows the pre-remedial nature and extent of MW19HS1 COCs.

As required by Section II of the SOW, all remedial work planning and action conducted at the site will be performed in compliance with current regulations and performance standards, cleanup objectives, and applicable and relevant and appropriate requirements (ARARs) set forth in the 1994 ROD and 2007 ESD.

MW19HS1 AOC performance standards are as follows:

- Soil: N.J.A.C 7:26D, Appendix I, Table 1B, Non Residential Direct Contact Soil Health Based Criteria and Soil Remediation Standards
- <u>Groundwater:</u> N.J.A.C. 7:9C-1.7(c) and (d), Appendix Table 1, Class II A Groundwater Quality Criteria

Section 4 Construction Permits, Approvals, and Certifications

4.1 Roles and Responsibilities

A comprehensive list of project contacts along with their roles and responsibilities is presented in Table 1.

4.2 Preconstruction Permitting

In accordance with N.J.A.C. 7:26E-6.2(a)(8) and N.J.A.C. 7:26E-7.1, LEC identified the applicable plans, permits, authorizations and certifications required to implement the source reduction strategy proposed in the RA Work Plan. All plans, permits, authorizations and certifications required to implement the remedial action were applied for and secured during the period between October 2009 and January 2010. Table 2 outlines the plans, permits, authorizations and certifications applied for and received to implement the MW19HS1 remediation proposed in the RA Work Plan Addendum and documented in this RAR Addendum. Table 2 also outlines other permits identified and researched but not applicable to the MW19HS1 remediation. Copies of all authorizations, permits, and certifications are presented in Appendix B.

Section 5 Construction Site Preparation and Layout

Successful execution of the remedial design outlined in the RA Work Plan Addendum required the completion of numerous site preparation tasks prior the initiation of soil excavation activities. All tasks performed in preparation for construction (*i.e.*, security measures, silt fence, and temporary stone construction tracking pads), and the general site layout prior to and during construction are shown on Figure 4.

5.1 Monitoring Well Abandonment

Prior to initiation of remedial activities, numerous monitoring wells were abandoned in accordance with N.J.A.C. 7:9D-3.1(g)(2). These wells were abandoned because they were located in or near the estimated extent of excavation. Eichelberger Inc., under the supervision of RMT, abandoned all monitoring wells from October 13 to October 15, 2009. These activities and associated well abandonment forms were documented in the report entitled *Quarterly Monitoring Report* -4^{th} *Quarter* 2009 (RMT, February 2010).

5.2 Structure Removal

Prior to MW19HS1 remediation, Building 9, as shown on Figures 2 and 5, was demolished, with metals salvaged and debris crushed onsite for potential re-use as backfill as part of the remediation effort. Building 9 demolition activities were completed in December 2009. As part of the planned transition into the remedial scope of work, the first floor concrete slab, foundation walls, and building footers were left in place. These structures were removed, as necessary, as part of the remedial scope of work to facilitate MW19HS1 AOC soil excavation. The demolition phase of the project was not part of the SOW and is not discussed in detail within this RAR Addendum. It is mentioned only as a prerequisite scope to facilitate efficient MW19HS1 AOC excavation.

5.3 Site Security

Following well abandonment and demolition of Building 9 and prior to remedial construction, site security measures were implemented as outlined on Figure 4 and as described below.

5.3.1 Fencing and Gates

Access to the site was restricted to authorized persons and vehicles by utilizing the existing fencing to the maximum extent possible. Additional fencing was installed

during the Building 9 demolition work to maintain security throughout the demolition and excavation process.

- Fencing adjacent to North Main Street was extended southeast along North Main Street and joined to the Southwest corner of Building 8 to create a secured southern site boundary.
- Two (2) existing lockable gates located on Ross Street were utilized during construction to maintain controlled access to the site.
- One (1) lockable gate located between Ross Street and the Northwest corner of Building 8 was installed to maintain controlled access between the main construction area and the Building 8 paved parking lot.
- One (1) lockable gate located on the East end of the Building 8 paved parking lot was installed to maintain controlled access between the parking lot and the rails-totrails.
- Repairs to the existing perimeter fence around the excavated stockpile area
 (Northeast of the Building 8 parking lot) were made to maintain site security in this area.
- Temporary fencing was installed along Ross Street adjacent to the proposed excavation limits where original parameter fencing required removal for excavation and construction equipment clearance. Temporary fencing was removed and permanent fencing was re-installed at the conclusion of remedial activities.

5.3.2 Signs

Informational and warning signs (numerically identified and described in the following paragraph with location shown on Figure 4 were posted as follows:

Signs Nos. 1a and 2a - Signs at both Ross Street entrances were placed on the fence facing the entering traffic that identified the project by name, USEPA ID code, and informational telephone contact.

Signs Nos. 1b and 2b - Signs at both Ross Street entrances were posted on the fence indicating that the area is an environmental remediation area, that the area is restricted to authorized personnel, and that all visitors must sign in. The RMT Project Representative Telephone number was also posted on these signs.

Sign No. 3a and 3b - Signs were placed at the eastern Ross Street entrance and in area visible from Main Street along the southern fence, establishing the fenced area as a Health and Safety exclusion zone. The signs identified the zone as a hard hat area, and that all persons entering that portion of the site will require suitable OSHA health and

safety training, and must report to the health and safety officer. The Site Health and Safety Plan is presented in Appendix C.

Sign No. 4 – A sign was placed at the Ross Street gate for traffic exiting the construction zone noting that all vehicles must be decontaminated prior to leaving the area.

5.3.3 Security Log

A security log was maintained during remedial construction activities. The log included the date, name, company, and time in and time out of visitors entering the site. A copy of the LEC site security log is presented in Appendix D.

5.3.4 Traffic Routing

Figure 4 illustrates the general plan for routing traffic within the construction zone as well as paths onto and off of the site during remedial construction. With the installation of the security fencing and gate improvements, all entering and exiting vehicles were routed onto Ross Street. Due to the area constraints within the main excavation area, routing within the construction area required trucks to back into the work area from the Building 8 parking lot for loading and transporting remaining Building 9 demolition debris and excavated soil. Trucks scheduled for off-site disposal were backed into the excavated stockpile area on the installed tracking pad. The additional tracking pad installed in the stockpile storage area allowed off-site transportation trucks to be loaded and decontaminated prior to off-site transport. All personal vehicles and vehicles not directly involved with soil handling, transport or testing were prohibited from entry into the construction work area.

5.4 Work Area Delineation and Control

Prior to initiating excavation operations, the Maximum Limits of the planned excavation (limits of construction) were staked and flagged. An excavation working grid was staked on a 10-foot interval. Grid locations, limits of construction, and other pertinent site features were uploaded onto a hand held Trimble Global Positioning System (GPS) unit to facilitate excavation progress and location tracking, and to aid in location of future confirmatory samples. Survey baselines and elevations were also established at strategic points to allow for easy monitoring of excavation depths.

5.5 Soil Frosion and Sedimentation Control

A Soil Erosion and Sediment Control Plan (SESCP) pursuant to the requirements outlined in N.J. Soil Erosion and Sedimentation Control Act, Chapter 251, P.L. 1975 was submitted to the

Morris County Soil Conservation District (MCSCD) in December 2009 and approved on January 7, 2010. A Request for Authorization (RFA) (NPDES General Permit NJG0176681) for Stormwater associated with Construction Activity was received on January 14, 2010. In accordance with Morris County Soil Conservation District approval requirements, the SESCP was available for on-site inspection throughout the MW19HS1 remediation construction period.

Prior to initiation of earthwork activities, temporary erosion control measures were installed at locations shown on Figure 4. Erosion control measures utilized include:

- Silt fencing was installed along the western and southern limit of disturbance boundary of the MW19HS1 site down slope of the excavation. Silt fencing was also installed around the perimeter of the stockpile area northwest of the Building 8 parking lot.
- Hay bales were utilized to control potential surface water runoff in areas where installation of silt fence could not be accomplished due to asphalt or concrete surfaces.
- Surface water inlet structures identified within the construction zone were protected by installing inlet filters.
- All stockpiles were properly managed to ensure that run-off did not transport stockpiled material or contamination off-site. Methods utilized included covering stockpiles with plastic to control potential run-off during rain events.
- To prevent the tracking of contaminated mud and sediment from the site onto nearby area roadways via vehicular traffic, decontamination tracking pads were installed at the locations shown on Figure 4. Tracking pads were constructed out of clean imported 2.5-inch coarse aggregate at a minimum thickness of 6 inches.

Figure 7 presents the construction details regarding the stone tracking pad, chain link fence, and sediment control (silt) fence.

5.6 Clearing, Grubbing, and Tree Removal

The final step in preparing the site for remediation was clearing and grubbing the areas proposed for use to facilitate production (*i.e.*, material stockpiling areas). The primary areas cleared and grubbed included the triangular area located west of the rails-to-trails (north of the Building 8 parking lot) used for stockpiling excavation soils, and along fence lines were decontamination tracking pads were installed. The limited amount of vegetative materials generated from clearing and grubbing activities were disposed of with general construction waste.

Due to excavation interference and equipment clearance concerns, two large trees were removed on the south side of Ross Street adjacent to the proposed excavation. The westernmost tree that was removed showed no signs of life during the past growing season, and the root structure of the other tree, due to its location to the proposed excavation, would have been significantly compromised and was not expected to survive the trauma and/or may have become unstable during high wind situations. Approval to remove the trees was granted by the Borough of Wharton (Appendix B).

Section 6 MW19HS1 AOC Excavation and Confirmation Sampling

This section of the RAR Addendum discusses the on-site remedial operation areas and equipment, and presents details regarding general excavation sequencing and limitations. As outlined in the chronology of events (Appendix A), the MW19HS1 remedial action was initiated on January 11, 2010 at the preconstruction meeting attended by LEC and Dallas Contracting. Implementation of the MW19HS1 remedial action lasted a total of 5 months (January to May 2010). The active remedial phases were completed over a 3 month period (January to March 2010), and waste management (e.g., soil load-out) and site restorative activities (e.g., final grading, topsoil placement, hydroseeding) were completed during the months of April and May 2010. Details regarding site restoration are discussed in Section 10. A comprehensive photographic summary of the MW19HS1 remedial action is presented on the CD ROM located in Appendix E.

6.1 Equipment, Staging Areas and Operations

Figure 4 shows the location of various staging and operations areas developed to implement the MW19HS1 remedial action. Temporary facilities were established before the earthwork activities began. These facilities included a construction management office and sanitary facilities (utilized existing space and facilities in Building 15) and equipment decontamination tracking pads.

The soils management area was established in the triangular area located directly north of the Building 8 asphalt parking lot. The soils management area contained stockpiles of excavated waste soil, excavated sub-slab fill, and screened rock. Silt fencing was installed around the down-slope perimeter of the soils management area to prevent sediment from leaving the area and reaching the small wetland area to the northwest. Equipment decontamination tracking pads were located inside the soil management area and west of the Building 8 asphalt parking area between the main remediation limits of construction and the asphalt parking area. The decontamination tracking pads consisted of 2-1/2-inch compacted coarse aggregate approximate 6-inch to 12-inch thick, approximately 18 feet wide and lengths from 90 feet to 120 feet.

Other features including truck routing plans, site security and erosion control methods as discussed in Section 6 were established before the earthwork activities began.

A variety of heavy equipment was utilized to implement the MW19HS1 remedial action. This equipment was maintained on-site and consisted of the following:

EQUIPMENT DESCRIPTION	MODEL
Articulated Dump Truck	John Deere 250C
Excavator(s)	Komatsu PC300LC and PC400LC
Skid Steer	CAT 236
Loader	CAT 966
Roller (site restoration only)	BOMAG D5407
Dozer (site restoration only)	CAT D3B

6.2 Building 9 Infrastructure Removal and Sampling

This section describes the removal and testing of remaining Building 9 infrastructure (e.g. concrete floor slab, walls, footers, and sub-slab fill material). As indicated in Section 6.2, the demolition phase of the project was not part of the SOW, and therefore it is not discussed in detail within this RAR Addendum. However, all Building 9 infrastructure below the first floor level including the first floor concrete slab, exterior and interior concrete foundation walls, concrete footers, and the basement level concrete slab remained in place until commencing the MW19HS1 remedial actions to avoid exposing contaminated soil or other potential wastes. As outlined in the RA Work Plan Addendum, cleaned crushed Building 9 concrete was scheduled to be reused as backfill within the remedial excavation and adjacent basement; however, sampling of all demolition related material including the crushed demolition debris, crushed concrete from the floor slab and foundation walls, and sub-slab fill indicated that the material was unsuitable for onsite beneficial reuse.

6.2.1 Crushed Building 9 Demolition Debris

Approximately 6,082 tons of crushed Building 9 demolition debris containing a mix of concrete, brick, and cinder block was generated as part of the Building 9 demolition work phase. Analytical results collected from the demolition debris stockpile indicated that this material was not suitable for onsite beneficial reuse as backfill. This material currently remains stockpiled and covered with poly sheeting on site east of the rails-to-trails for further evaluation and appropriate management. All laboratory analytical reports are included in Appendix F.

6.2.2 Building 9 Floor Slab

The 6-inch thick (approx.) first floor concrete slab was initially cut along the proposed outer limits of construction. Slab material outside of the proposed limits of construction was removed first and transported to the crushing area located east of the rails-to-trails for crushing. Slab material directly above the planned limits of construction over the

western portion of the Building 9 footprint was then removed immediately before beginning the remedial excavation.

All concrete floor slab material was transported, stockpiled, and subsequently crushed onsite for planned onsite beneficial reuse as excavation backfill. Slab material above and outside of the proposed limits of construction did not contain any visible staining or exhibit any indication of contamination, however material removed from within the footprint of the planned excavation was segregated from other removed Building 9 concrete material pending sample collection. Per analytical results of samples collected from crushed concrete material originating from the removed exterior walls and footers described below in Section 7.2.3, crushed slab material was considered not suitable for onsite beneficial reuse as backfill. , This material currently remains stockpiled and covered with poly sheeting on site east of the rails-to-trails for further evaluation and appropriate management.

6.2.3 Exterior Walls and Footers

Building 9 exterior walls and footers were removed and transported to the crushing area located west of the rails-to-trails for crushing. Similar to procedures followed for removing the concrete floor slab, concrete wall and footer material outside of the proposed limits of construction were removed first, while foundation walls and footers in the western portion of the Building 9 footprint within the planned limits of construction were left in place and removed during the excavation phase of work. No foundation wall or footer material contained any visible staining or exhibited any indication of contamination, however material removed from within the footprint of the planned excavation was initially segregated pending sample collection. Per the sampling results for material collected from crushed concrete material originating from the removed exterior walls and footers, the crushed concrete material was considered not suitable for onsite beneficial reuse as backfill. This material currently remains stockpiled and covered with poly sheeting on site east of the rails-to-trails for further evaluation and appropriate management.

6.2.4 Sub-Slab Fill

Light brown sand and black sand/slag sub-slab fill material was present within the Building 9 footprint below the concrete slab. Figure 5 shows the locations and approximate depths of each type of sub-slab fill identified. Prior to removal, sub-slab fill was sampled in place for potential reuse as backfill per requirements outlined in the NJDEP document "Guidance for Characterization of Concrete and Clean Material Certification for Recycling" (Updated February 18, 2009).

Sub-slab fill sampling results indicated that this material was not suitable for onsite beneficial reuse as backfill. All sub-slab fill material was managed onsite (e.g., stockpiled and covered with poly sheeting) prior to off-site disposal during waste management load out activities discussed in Section 9 of this RAR Addendum.

6.3 Contaminants Encountered

6.3.1 Process Waste

Multi-colored process waste materials, similar to that seen during the source reduction work completed in 2004, were encountered immediately below the concrete slab in the location shown on Figure 5. As discussed in the RA Work Plan Addendum, this 10 foot by 40 foot area in the northwestern corner of Building 9 adjacent to the concrete loading dock contained two former trench drains (Drain #1 and Drain #2) and associated connection piping (Ref. Figure 3). Drain #1 is located close to the western wall of Building 9 and formerly connected the drain system to the two exterior USTs. Drain #1 connection piping to the USTs was removed and the Drain #1 discharge hole was sealed with concrete grout during tank removal operations in 1990/1991.

The presence of the process waste was readily recognizable as it was large solidified pieces with distinct multi-colored layers. As such these materials were visually excavated and segregated from the surrounding soils. All process waste excavated was placed into 55 gallon drums and staged east of the rail-to-trails pending appropriate sampling and off-site disposal.

A total of three (3) 55-gallon drums of process waste were generated. One (1) grab sample (WPS-19HS1-10-1) was collected from the managed process waste to determine waste characteristics. The sample was analyzed for total and Toxicity Characteristic Leaching Procedure (TCLP) metals, PCBs, total and TCLP semi-volatiles, total and TCLP volatiles, and other parameters required for off-site disposal approval. The laboratory analytical report is included in Appendix E. Following approval, the process waste drums were loaded into a licensed truck and hauled to a licensed hazardous waste disposal facility.

In addition to the multi-colored process waste initially encountered, other process-like materials were encountered at various depths of the excavation as depicted in the cross section on Figure 5. Solid green colored chunks of waste were encountered approximately 6 feet below the top of concrete slab (approximately 3 feet below adjacent ground elevation) within the same 10 foot by 40 foot area below the former trench drains and adjacent loading dock area to the north. This material was excavated, segregated,

and placed in the same drums containing the multi-colored process waste for off-site disposal.

Saturated process waste-like material was encountered at the water table elevation approximately 7 to 8 feet below ground elevation within the same 10 foot by 40 foot area. This material was light green in color and displayed string like physical characteristics. This material was excavated, segregated, and placed in the same drums containing the multi-colored process waste for off-site disposal.

6.3.2 Asbestos Containing Material (ACM) Pipe

Approximately 125 linear feet (LF) of 36 inch diameter Asbestos Containing Material (ACM) asbestos-cement pipe was encountered approximately 3 feet below the top of concrete slab in the location depicted on Figure 5 during removal of the exterior concrete foundation wall and sub-slab fill material.

Beacon Industrial Services (Trenton, NJ) managed the approval and removal process. Emergency notification was made to the New Jersey Department of Labor requesting approval to proceed with removal and disposal in order to continue with remedial scope of work. Following approval, all ACM pipe material was carefully excavated, packaged, and disposed by a New Jersey licensed asbestos contractor, Lilich Corporation (NJ License No. 00528). Documentation of ACM pipe removal is included in Appendix G of this RAR Addendum.

6.4 AOC Soil Excavation

Proposed and actual excavation limits are displayed on Figures 5 and 6; Figure 5 contains a work area grid, used to define approximate positions of excavation limits and sample collection locations during the excavation activities. Excavation was completed to a depth where the visible water table was encountered at approximately 7 feet below the ground elevation (628 ft elevation). As proposed in the RA Work Plan Addendum, soil excavation in the MW19HS1 area began near the southeast limit of the proposed excavation limit (grid location 25S-0W; see Figure 5 for grid details) and first progressed west exposing the entire south excavation sidewall to a point where field screening methods [e.g. visual observations and photoionization detector (PID) readings] in the southwest corner indicated residual source area material had been effectively removed. Excavation then proceeded north removing all material between the 0W grid line and the western extent (approximately following a line between 9S-65W and 25N-48W) focusing on exposing the west sidewall to a point where field screening methods indicated residual source material had been removed. Excavation then proceeded east from the northwest corner at approximately 25N-48W exposing the north excavation wall to a point

where field screening methods indicated residual source material had been removed. Though field screening method showed no detections along the current east sidewall just below the existing concrete basement floor slab, approximately 5 feet of slab was removed to ensure the eastern extent of contamination had been removed.

All soils excavated were loaded into an articulated dump truck and hauled to the stockpile staging area located north of the Building 8 parking lot. Large boulders were later segregated out and stockpiled east of the rails-to-trails for future onsite use.

Figure 6 illustrates that the limits of construction barely extended past the site fence located to the northwest of the construction area, limiting the amount of fence removed and potential conflicts with working in close proximity to Ross Street. As discussed in Section 6.3 of this RAR Addendum, temporary fencing was installed in this area to provide the necessary excavation sloping and clearance for construction equipment.

Since the majority of material excavated for sloping consisted of sub-slab fill type material, only a small amount of potential clean material was generated as part of the sidewall sloping. As the necessary confirmation sampling analyses were expected to cost more than the value of this material if it were to be used as backfill, confirmation sampling for onsite reuse of this material was not performed, and instead, this material was disposed of off-site with the other generated waste streams.

6.5 AOC Excavation Confirmation Sampling

A plan view showing the lateral extent of the MW19HS1 excavation resulting from the remedial action is presented in Figure 5. Cross sections showing the MW19HS1 vertical excavation extents are also presented in Figure 5. Post excavation confirmatory soil sampling data are presented in Table 3. The locations of all confirmatory samples are presented on Figure 6. Trace Analytical Laboratories, Inc. (Trace), located in Muskegon, Michigan, analyzed all post excavation confirmatory samples (State of New Jersey Laboratory Certification No. MI008). Copies of all confirmatory sampling laboratory reports are presented on the CDROM in Appendix E.

To assure that all soils were removed to levels below the lower of the Impact to Groundwater Soil Screening Level (criteria taken from the NJDEP guidance document "Development of Site Specific Impact to Groundwater Soil Remediation Standards Using the Soil Water Partition Equation" dated December 2008) and the Residential Direct Contact Soil Remediation Standard, confirmatory sampling was conducted after excavation to the design depths as outlined in the RA Work Plan Addendum was complete. Post remedial confirmation sampling was conducted pursuant to N.J.A.C. 7:26E-3.3 through 3.12 and 4.1. In accordance with N.J.A.C. 7:26E-3.3

through 3.12 and 4.1, one (1) sample from the bottom of each sidewall (or biased to locations along the sidewall that may contain elevated concentrations of COCs based on field screening results) was collected every 20 linear feet (lnft). In addition, one sample was also collected at the midpoint (between the surface and bottom of the excavation) every 20 lnft, as requested by the USEPA. Samples were numbered by area, column and row designators. All sidewall sample analytical results are presented on Table 3 and are shown on Figure 6. No step-out samples were needed as all original samples met clean-up standards. Samples from the MW19HS1 excavation were analyzed in the laboratory for BTEX and DEHP using standard GC-MS Methods EPA 8260B and 8260C, respectively.

Due to the excavation extending into the water table, as described below in Section 7.6, no samples from the excavation bottom were collected as part of the remedial action.

6.6 Smear Zone Soil Excavation Below Water Table

Though the excavation depth extended to the visible water table encountered at approximately 7 feet below the ground elevation (628 feet elevation) as proposed in the RA Work Plan Addendum, it was evident that additional saturated material could effectively be removed and managed due to the clay content of soils encountered at this depth. Just prior to backfilling, approximately 4 feet of saturated smear zone material was removed across the entire footprint of the excavation to an elevation of 624.3 feet removing a significant amount of additional source material.

Additional excavation was attempted within the footprint of where process waste was observed and elevated PID detections were recorded, however, soils at depths below 624.3 feet could not be properly managed due to highly saturated sand materials. Excavated saturated smear zone soils were loaded into an articulated dump truck and hauled to the stockpile staging area and managed in the same fashion as previously described for other AOC-excavated material.

6.7 Backfill

Once excavation activities were completed and limits (depth and lateral extent) of the excavation cavity were fully measured and recorded, the area was backfilled to the approximate pre-existing grade as described in more detail below in Section 10 and as shown on Figure 5. Generally, backfill consisted of the following:

- The bottom 3-feet of the excavation were backfilled with imported gravel fill material.
- A geofabric layer was placed atop the gravel fill prior to placement of the subsequent fill material.

inch maximum lifts.	5 inches of topsoil was placed over the imported fill.

Approximately 8.5 feet of clean imported fill was compacted over the gravel fill layer in 12-

Section 7 Construction Quality Assurance and Health & Safety

Details specific to the quality assurance measures utilized throughout the source reduction remedial project are provided in both the *Quality Assurance Project Plan* (QAPP) and *Construction Quality Assurance Project Plan* (CQAPP) presented in Appendix H of the RA Work Plan Addendum, along with USEPA comments associated with the QAPP dated December 21, 2009. The revised QAPP, incorporating USEPA comments, will be presented under separate cover.

The health and safety procedures utilized throughout the MW19HS1 remedial action are outlined in the *Construction Health & Safety Plan* (CHASP) also included in Appendix H of the RA Work Plan Addendum. As outlined in the CHASP, all RMT personnel entering the LEC site during the source reduction remedial actions were required to read the CHASP, and sign the training log. Copies of the signed training logs are presented at the end of Appendix H.

As outlined in Section 5 of the CHASP, RMT site personnel performed ambient air monitoring for volatile organic compounds (VOCs) using a photo ionization detector (PID). The PID was used to collect total VOC readings at various site location based on the days activities, weather conditions and/or potential for organic vapor exposure. At no point throughout the remediation did VOC concentrations detected by the PID at various locations on-site (e.g., on heavy equipment, and at the excavation etc.) show elevated concentrations (> 50 ppm total VOCs).

Equipment operators and other site personnel performed the majority of field work in level D personal protective equipment (PPE), however modified level C PPE (Tyvek coveralls, disposal outer boots, air-purifying respirator) were utilized by site personnel while performing such tasks as handling excavated process waste/saturated process waste, excavation near the water table where organic odors were present, managing ACM pipe removal, etc.

Section 8 Waste Management

Detailed information (*i.e.*, dates, load number, manifest or bill of lading number, weights, and associated disposal locations) specific to the management of wastes generated as a result of the implementation of the MW19HS1 remedial action is presented in Table 4. Copies of all manifests and bills of lading associated with materials generated throughout this source reduction remedial action are presented on the CD ROM attached in Appendix I.

Waste targeted for disposal was loaded into trucks by Dallas Contracting (Dallas) while waste transportation was provided by Environmental Waste Minimization, Inc. (EWMI; Northampton, PA). Two (2) independent disposal facilities were utilized to manage waste generated at the LEC site during the MW19HS1 remediation. These facilities and the waste sent to each are as follows.

Facility	Address	Facility ID No.	Materials Received
Clean Earth of Southeastern	7 Steel Road East	-	Excavated Soils
Pennsylvania, Inc. (CESP)	Morristown, PA 19067		
Ross Incineration Services, Inc.	36790 Giles Road,	OHD048415665	Process Waste
	Grafton, OH 44044		

Specific waste weights generated at the LEC site during the MW19HS1 remediation are presented in the following table:

Contaminated Material Type	Weight (Tons)
MW19HS1 Excavated Soils	2249.82
Sub-Slab Fill Soils/Topsoil	2271.90
Process Waste Material	0.6^{1}
ACM Pipe (36" dia)	125 Linear Feet
TOTAL WASTE WEIGHT	4522.32

All other materials (e.g., piping, small demolition debris, office trash, etc.) were containerized in on-site roll off boxes. Roll off boxes were managed by Dallas and transported to the Morris County Municipal Utilities Authority (MCMUA) Mt. Olive Transfer Station in Mt. Olive, NJ.

¹ Process Waste (Material) generated weight estimated at 1,200 pounds (0.6 tons) based on disposal of three (3) drums of material at approximately 400 pounds per drum.

Section 9 Site Restoration

The following section summarizes the details regarding fill material borrow source identification and approval, backfilling, and surficial restoration. As-built grade and subgrades and associated cross sections are shown on Figures 8 and 5, respectively.

9.1 Decontamination/Tracking Pad Removal

At the completion of waste management activities, decontamination tracking pads installed at the locations shown on Figure 4 were removed. All 2.5-inch coarse aggregate material reclaimed from the tracking pads was stockpiled east of the rails-to-trails for future re-use at the Site.

9.2 Off-Site Borrow Source for Fill Material and Topsoil

Due to the determination that the crushed Building 9 demolition debris (approximately 6,082 tons) and Building 9 sub-slab fill material (approximately 2,887 tons) was not suitable for onsite beneficial reuse, fill material required to restore the site to the proposed subgrade was imported from off-site borrow sources. Imported material included:

- 476.20 tons of 1-1/2 inch coarse aggregate supplied by Tilcon-NY, Mt. Hope Quarry, located in Wharton, NJ. Certification documentation is presented in Appendix J.
- 2937.24 tons of general fill (overburden material classified as Tilcon "Zone 3" material) supplied by Tilcon-NY, Mt. Hope Quarry, located in Wharton, NJ. Certification documentation is presented in Appendix J.
- 496 CY of topsoil was supplied by Dallas Contracting, South Plainfield, NJ. Certification documentation is presented in Appendix J.
- 536 CY of topsoil acquired from a project at 20 Lanadex Plaza, Parsippany, NJ. Certification documentation is presented in Appendix J.

9.3 Backfill and Grading

Immediately following completion of the MW19HS1 excavation, backfilling of the excavation and adjacent basement area to the east was performed. Backfilling consisted of:

- 476.20 tons of imported 1-1/2 inch coarse aggregate fill material place in the bottom 3-feet of the excavation (624.3 elevation to approximately 627.3 elevation.
- A geofabric layer (Mirafi HP370) was placed atop the gravel fill prior to placement of the subsequent fill material.

■ Approximately 8.5 feet of general fill (overburden material classified as Tilcon "Zone 3" material) placed over the gravel fill layer and compacted in 12-inch maximum lifts.

The site was rough graded to promote final grade runoff primary to the east. Once rough grading was complete, final grade survey contour stakes allowed the final site restoration work to be completed as discussed in the following sections.

9.4 Final Grade Survey

Surveyed grade stakes were professionally installed to establish the design final grade elevations. All surveying was performed by Dennis W. Sklar, Inc. (DWS), located in Philadelphia, PA (licensed under James M. Stewart, PLS, NJ Professional Land Surveyor No. 24GS02610800). Each survey point was located referencing North American Datum (NAD 83). In addition, the elevation for each survey point was determined by referencing National Geodetic Vertical Datum (NGVD 88).

A coordinate table of final grade contours staked and an accompanying map showing location of stakes is included in this RAR Addendum in Appendix K.

9.5 Topsoil Placement

Following installation of contour specific grade stakes, imported clean topsoil was placed and graded to the design final grade elevations shown on Figure 8 to serve as permanent stabilized surface cover and provide positive drainage primarily to the east (see Figure 8). A minimum of five inches of topsoil was placed over all areas disturbed during construction activities.

As noted in Section 9 (Waste Management) of this RAR Addendum, all topsoil removed during site preparation work (from the stockpile area and where decontamination tracking pads were installed) was determined to be unsuitable for onsite beneficial reuse and was disposed of accordingly.

Prior to hydroseeding, a skid-steer power rake attachment was utilized to remove miscellaneous surface rocks and to scarify the top two inches of soil to facilitate vegetative growth.

9.6 Hydroseeding

Once final grade was established, both the main excavation area and stockpile areas of the site were hydroseeded to facilitate vegetative cover (approximately 37,832 ft²). As required by the project SESC Permit, the hydroseed consisted of a combination of hard fescue (2.7 lbs/1,000 ft²), creeping red fescue (0.7 lbs/ 1,000 ft²), and perennial rye (0.25 lbs/ 1,000 ft²). Due to slow

germination after the first application, a second hydroseed application was performed on May 28, 2010 to further facilitate sufficient vegetative cover. A second assessment of cover was performed on June 22, 2010. Additional overspray(s) will be performed as needed in the fall of 2010 when weather conditions are more suitable for seed germination.

9.7 Demobilization and Clean-up

Once excavation and restoration activities were completed, all temporary support equipment and structures were removed. The paved parking area north of Building 8 was cleared of residual soils and swept prior to demobilization.

Section 10 Green Remediation Initiatives

EPA Region 2 has implemented the Clean and Green Policy Program. The goal of the program is to promote the sustainable practices and technologies of all federal cleanup programs. Region 2 has chosen four touchstone technologies which should be implemented unless impracticability is determined at the site or another green approach is considered more favorable. These technologies include; renewable energy, concrete made with coal combustion products, clean diesel, and methane capture.

As stated in the UAO, green remediation was to be implemented at the site. Green remediation initiatives incorporated during the MW19HS1 remedial action included:

Limited number of mobilizations of construction equipment to and from the site.
 Remediation activities were performed immediately following the completion of demolition work to keep existing equipment at the site.

Beneficial reuse of demolition materials (e.g. crushed concrete) was proposed as part of the RA Work Plan Addendum, however, laboratory analytical results did not allow any material generated as part of the demolition to be reused during the remedial action scope of work.

Section 11 Remediation Costs

The actual schedule to implement the scope of work outlined in this report addendum is presented in Appendix A. In accordance with the requirements outlined in N.J.A.C. 7:26E-6.7(b)6, a summary of MW19HS1 remedial action construction costs is presented in Table 5.

Section 12 Post Remediation Actions

The following section briefly outlines the post remedial actions required following the MW19HS1 remedial project.

12.1 Proposed Post Remedial Groundwater Monitoring System

12.1.1 Groundwater Monitoring Well Location and Design

A total of 9 new monitoring wells will be installed according to the procedures described in the *Post Remedial Monitoring Plan* (PRMP) (RMT, 2005), at specific locations, as shown on Figure 9. The new groundwater monitoring network is designed to serve the following general purposes (refer to Table 6 for detailed objectives and well descriptions):

- monitor background groundwater quality;
- monitor the groundwater quality of the shallow aquifer both within, lateral to, and downgradient of, the excavation area (i.e., former residual source area);
- monitor groundwater quality directly in front of the four Ross Street residences;
- provide sufficient groundwater elevation data to determine detailed groundwater flow (anticipated to be towards the regional sewer line that bisects Ross Street based on historical data); and
- monitor adequate points within the downgradient shallow contaminated zone of the aquifer in order to compare post excavation to pre-excavation MNA (monitored natural attenuation) process characteristics and determine long-term effectiveness of MNA in reducing constituents of concern (COCs) below applicable groundwater cleanup criteria.

These new groundwater monitoring wells will be sampled on a quarterly basis (along with existing monitoring well MW-19-12) for both COC and MNA parameters as outlined on Tables 2 and 3 of the 2009 revised PRMP.

12.2 Soil Gas Sampling

Soil gas sampling will be conducted, in accordance with USEPA's 2002 Vapor Intrusion Guidance, at each monitoring well location prior to drilling and installing the new monitoring well. In addition, as shown on Figure 9, three additional borings (located specifically in front of

houses along the north side of Ross St.) will be sampled for soil gas only. The objectives are to verify and strengthen previous soil-gas data that showed soil gas with elevated levels of COCs was not migrating across Ross St. (also supported by data that show the Ross Street residences are cross-gradient from the contaminated area), and determine the post excavation distribution of soil gas within the MW19HS1 area that exceeds the NJDEP Generic Vapor Intrusion Screening Levels, if any.

Tables

Figures

Appendix A MW19HS1 Chronology of Events

Appendix B Plans, Permits, Approvals and Certifications

Appendix C CD-ROM Site Health and Safety Plan

Appendix D Site Security Log

Appendix E CD ROM Photographic Summary

Appendix F CD ROM Laboratory Analytical Reports

Appendix G Asbestos Pipe Removal

Appendix H HASP Training Log and OSHA Certifications

Appendix I CD ROM of Waste Paperwork

Appendix J Borrow Source Fill Materials Data

TABLE 1 - Roles and Responsibilities Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey, USEPA ID No. NJD002168748

NAME	PROJECT RESPONSIBILITY	PROJECT AUTHORITY	COMPANY NAME & ADDRESS	CONTACT INFORMATION
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Richard Hahn	Internal Council/Secretary	Owner	L.E. Carpenter & Company	(440) 930-1361 Phone
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N. 1 1 Y. Cl	B : C . !!		DATE I	richard.hahn@polyone.com
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	USEPA Remedial Project Manager (RPM) Borough of Wharton Point of Contact	Lead Regulator	P.O. Box 028 Trenton, NJ 08626 New Jersey Department of Environmental Protection (NJDEP) Bureau of Case Management 401 East State Street P.O. Box 028 Trenton, NJ 08626 United States Environmental Protection 290 Broadway Floor 19 New York, NY 10007 Borough of Wharton	Glenn.Savary@dep.state.nj.us (609) 633-7261 Phone (609) 633-1439 Fax (212) 637-3865 Phone (212) 637-3966 Fax pierre.patricia@epa.gov (973) 361 8444, ext. 11 Phone
Patricia Simmons Pierre	USEPA Remedial Project Manager (RPM)	Lead Regulator	P.O. Box 028 Trenton, NJ 08626 New Jersey Department of Environmental Protection (NJDEP) Bureau of Case Management 401 East State Street P.O. Box 028 Trenton, NJ 08626 United States Environmental Protection 290 Broadway Floor 19 New York, NY 10007 Borough of Wharton Wharton Municipal Building	Glenn.Savary@dep.state.nj.us (609) 633-7261 Phone (609) 633-1439 Fax (212) 637-3865 Phone (212) 637-3966 Fax pierre.patricia@epa.gov (973) 361 8444, ext. 11 Phone (973) 361-5281 Fax
Patricia Simmons Pierre	USEPA Remedial Project Manager (RPM) Borough of Wharton Point of Contact	Lead Regulator	P.O. Box 028 Trenton, NJ 08626 New Jersey Department of Environmental Protection (NJDEP) Bureau of Case Management 401 East State Street P.O. Box 028 Trenton, NJ 08626 United States Environmental Protection 290 Broadway Floor 19 New York, NY 10007 Borough of Wharton	Glenn.Savary@dep.state.nj.us (609) 633-7261 Phone (609) 633-1439 Fax (212) 637-3865 Phone (212) 637-3966 Fax pierre.patricia@epa.gov (973) 361 8444, ext. 11 Phone

MW19HS1 Remedial Action Permits, Authorizations and Certifications

Dayco/L.E. Carpenter Superfund Site

Borough of Wharton, Morris County, New Jersey, USEPA ID No. NJD002168748

DESCRIPTION	CITATION	AGENCY	APPLICABILITY	APPROVAL & AUTHORIZATION	PERMIT # / FILE REFERENCE
Remedial Action Work Plan Addendum	40, Code of Federal Register (CFR) Pt. 300, National Oil and Hazardous Substances Pollution Contingency Plan (NCP)	USEPA	SOW-IV	Document entitled Addendum to the Remedial Action Work Plan for Source Reduction (RMT, September 2009) and subsequent response to regulatory comments [December 29, 2009] were approved by the USEPA in an email dated December 30, 2009.	N/A
Soil Erosion and Sediment Control Plan & Request for Authorization (RFA) for Stormwater Discharge Associated with Construction and Mining Activities	NJ Soil Erosion and Sediment Control Act, Chapter 251, P.L. 75	Morris County Soil Conservation District	Projects involving earth disturbance > 5,000 sqft	Certification of the document entitled Soil Erosion and Sediment Control Plan MW19HS1 Soil Remediation (RMT, December 2009, revised January 2010) provided by MCSCD January 14, 2010 (permit dated as January 27, 2010 per final board meeting date requirements).	MCSCD 2010-7910
Request for Authorization (RFA) for Stormwater	N.J.A.C. 7:14A	NJDEP	Projects involving earth disturbance > 5,000 sqft	The completed NJDEP online E-Permitting system Request for Authorization (RFA) was submitted and approved by the NJDEP on January 14, 2010.	NJG0176681
Freshwater Wetlands Statewide General Permit No. 4 (GP 4)	N.J.A.C 7:7A	NJDEP LURP	Investigation, cleanup and removal of hazardous substances or pollutants in freshwater wetlands, transition areas and State open waters	Not Applicable for the MW19HS1 Remedial Scope of Work	N/A
Stream Encroachment Permit	N.J.S.A. 58:16A-58 et seq.; N.J.A.C. 7:13	NJDEP LURP	Any development within a floodplain as defined "any construction activity or other manmade land disturbance"	Not Applicable for the MW19HS1 Remedial Scope of Work	N/A
Flood Hazard Pemit	N.J.A.C 7:13	NJDEP LURP	Activities occuring within a) the defined NJDEP Flood Hazard Area and/or b) within the defined Riparian Zone	No approval required as all conditions for "Permit-by-Rule" were met for the MW19HS1 remedial scope of work.	N/A
Monitoring Well Abandonment	N.J.A.C. 7:9D	NJDEP	Abandoning and installing monitoring wells	This activity was proposed in the document entitled Addendum to the Remedial Action Work Plan for Source Reduction (RMT, September 2009), Well abandonment approval granted by the USEPA in an email dated October 5, 2009. Road Opening Permit approved on October 6, 2009 by the Brough of Wharton, NJ.	ROP-09-05
Tree Removal Application/Permit	-	Borough of Wharton	Removal of trees within Ross Street Right-of-Way in close proximity to construction acttivities.	Tree Removal Application filed and approved on January 11, 2010 by the Borough of Wharton, NJ.	N/A

NOTES

N.J.A.C: New Jersey Administrative Code

NJDEP: New Jersey Department of Environmental Protection USEPA: United States Environmental Protection Agency

U.S.C: United States Code
CFR: Code of Federal Regulations
HPO: Historic Preservation Office
USFWS: US Fish and Wildlife Service
LURP: Land Use Regulation Program

MW19HS1 Post Excavation Confirmatory Soil Samples Dayco Corporation/L.E. Carpenter Superfund Site

Borough of Wharton, Morris County, New Jersey, USEPA ID No. NJD002168748

					SAMPLE ID	SS-19HS1-20S10W	SS-19HS1-30S10W	SS-19HS1-20S27W	SS-19HS1-30S27W	SS-19HS1-20S45W
PARAMETER	LIMITE	ppeepe		IMPACT TO GW SOIL SCREENING	LAB ID	T10B014-01	T10B014-02	T10B014-03	T10B014-04	T10B014-05
	UNITS	RDCSRS	NRDCSRS	LEVEL ⁽¹⁾	SAMPLE DATE	2/1/2010	2/1/2010	2/1/2010	2/1/2010	2/1/2010
					DETECTION LIMIT					
Bis(2-ethylhexyl)phthalate	mg/kg dry	35	140	790	0.33	<0.33	<0.33	<0.33	0.44	18
Benzene	mg/kg dry	2	5	0.005	0.0052	<0.0052	<0.0047	<0.0048	<0.0043	<0.0023
Toluene	mg/kg dry	6,300	91,000	4	0.0052	0.034	0.018	0.024	0.014	0.028
Ethylbenzene	mg/kg dry	7,800	110,000	8	0.0052	<0.0052	<0.0047	<0.0048	<0.0043	<0.0023
m,p-Xylene	mg/kg dry	NA	NA	NA	0.010	<0.010	<0.0094	<0.0097	<0.0086	0.0072
o-Xylene	mg/kg dry	NA	NA	NA	0.0052	<0.0052	<0.0047	<0.0048	<0.0043	<0.0023
Xylenes, total	mg/kg dry	12,000	170,000	12	0.016	<0.016	<0.014	<0.015	<0.013	0.0095
% Solids	% by Wt.				0.10	69	87	77	88	85

NOTES

NA = Standard Not Available

RDCSRS: Residential Direct Contact Soil Remediation Standard

NRDCSRS: Nonresidential Direct Contact Soil Remediation Standard

MW19HS1 Post Excavation Confirmatory Soil Samples Dayco Corporation/L.E. Carpenter Superfund Site

Borough of Wharton, Morris County, New Jersey, USEPA ID No. NJD002168748

					SAMPLE ID	SS-19HS1-30S45W	SS-19HSI-10S70W	SS-19HSI-9S 65W	SS-19HSI-10N 68W	SS-19HSI-10N 60W
PARAMETER	UNITS	RDCSRS	.upp.copc	IMPACT TO GW SOIL SCREENING	LAB ID	T10B014-06	T10B066-01	T10B066-02	T10B066-03	T10B066-04
	UNITS	RDCSRS	NRDCSRS	LEVEL ⁽¹⁾	SAMPLE DATE	2/1/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010
					DETECTION LIMIT					
Bis(2-ethylhexyl)phthalate	mg/kg dry	35	140	790	0.33	11	1.2	1.3	<0.33	1.9
Benzene	mg/kg dry	2	5	0.005	0.0052	<0.0022	<0.0050	<0.0050	<0.0050	<0.0050
Toluene	mg/kg dry	6,300	91,000	4	0.0052	0.0048	<0.0050	0.032	<0.0050	<0.0050
Ethylbenzene	mg/kg dry	7,800	110,000	8	0.0052	<0.0022	<0.0050	<0.0050	<0.0050	<0.0050
m,p-Xylene	mg/kg dry	NA	NA	NA	0.010	<0.0043	<0.010	0.016	<0.010	<0.010
o-Xylene	mg/kg dry	NA	NA	NA	0.0052	<0.0022	<0.0050	0.0053	<0.0050	<0.0050
Xylenes, total	mg/kg dry	12,000	170,000	12	0.016	<0.0065	<0.015	0.021	<0.015	<0.015
% Solids	% by Wt.				0.10	89	94	91	93	88

NOTES

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NRDCSRS: Nonresidential Direct Contact Soil Remediation Standard

MW19HS1 Post Excavation Confirmatory Soil Samples Dayco Corporation/L.E. Carpenter Superfund Site

Borough of Wharton, Morris County, New Jersey, USEPA ID No. NJD002168748

					SAMPLE ID	SS-19HSI-30N 51W	SS-19HSI-25N 48W	SS-19HSI-40N 30W	SS-19HSI-35N 30W	SS-19HSI-38N 10W
PARAMETER	UNITS	RDCSRS	NRDCSRS	IMPACT TO GW SOIL SCREENING	LAB ID	T10B066-05	T10B066-06	T10B066-07	T10B066-08	T10B066-09
PARAMETER	UNITS	KDCSKS	NKDCSKS	LEVEL ⁽¹⁾	SAMPLE DATE	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010
					DETECTION LIMIT					
Bis(2-ethylhexyl)phthalate	mg/kg dry	35	140	790	0.33	<0.33	<0.33	3.9	20	12
Benzene	mg/kg dry	2	5	0.005	0.0052	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Toluene	mg/kg dry	6,300	91,000	4	0.0052	<0.0050	<0.0050	0.0084	<0.0050	0.050
Ethylbenzene	mg/kg dry	7,800	110,000	8	0.0052	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
m,p-Xylene	mg/kg dry	NA	NA	NA	0.010	<0.010	<0.010	<0.010	<0.010	<0.010
o-Xylene	mg/kg dry	NA	NA	NA	0.0052	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Xylenes, total	mg/kg dry	12,000	170,000	12	0.016	<0.015	<0.015	<0.015	<0.015	<0.015
% Solids	% by Wt.				0.10	80	88	92	82	86

NOTES

NA = Standard Not Available

RDCSRS: Residential Direct Contact Soil Remediation Standard

NRDCSRS: Nonresidential Direct Contact Soil Remediation Standard

MW19HS1 Post Excavation Confirmatory Soil Samples Dayco Corporation/L.E. Carpenter Superfund Site

Borough of Wharton, Morris County, New Jersey, USEPA ID No. NJD002168748

					SAMPLE ID	SS-19HSI-30N 10W	SS-19HSI-DUP-01	SS-19HS1-22S 5E	SS-19HS1-9S 5E	SS-19HS1-8N 3E
PARAMETER	LINUTO	ppoopo		IMPACT TO GW SOIL SCREENING	LAB ID	T10B066-10	T10B066-11	T10B091-01	T10B091-02	T10B091-03
	UNITS	RDCSRS	NRDCSRS	LEVEL ⁽¹⁾	SAMPLE DATE	2/4/2010	2/4/2010	2/8/2010	2/8/2010	2/8/2010
					DETECTION LIMIT					
Bis(2-ethylhexyl)phthalate	mg/kg dry	35	140	790	0.33	<0.33	1.7	<0.52	6.3	1.5
Benzene	mg/kg dry	2	5	0.005	0.0052	<0.0050	<0.0050	<0.0059	<0.0050	<0.0050
Toluene	mg/kg dry	6,300	91,000	4	0.0052	<0.0050	<0.0050	<0.0059	0.0085	<0.0050
Ethylbenzene	mg/kg dry	7,800	110,000	8	0.0052	<0.0050	<0.0050	<0.0059	0.0052	<0.0050
m,p-Xylene	mg/kg dry	NA	NA	NA	0.010	<0.010	<0.010	<0.012	0.011	<0.010
o-Xylene	mg/kg dry	NA	NA	NA	0.0052	<0.0050	<0.0050	<0.0059	0.0087	<0.0050
Xylenes, total	mg/kg dry	12,000	170,000	12	0.016	<0.015	<0.015	<0.018	0.019	<0.015
% Solids	% by Wt.				0.10	81	90	80	81	87

NOTES

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RDCSRS: Residential Direct Contact Soil Remediation Standard

NRDCSRS: Nonresidential Direct Contact Soil Remediation Standard

MW19HS1 Post Excavation Confirmatory Soil Samples Dayco Corporation/L.E. Carpenter Superfund Site

Borough of Wharton, Morris County, New Jersey, USEPA ID No. NJD002168748

					SAMPLE ID	SS-19HS1-9N 10E	SS-19HS1-21N 0E	SS-19HS1-27N 5E	SS-19HS1-DUP-02	SS-19HS1-DUP-03
DADAMETED	UNITS	RDCSRS	NRDCSRS	IMPACT TO GW SOIL SCREENING	LAB ID	T10B091-04	T10B091-05	T10B091-06	T10B091-07	T10B091-08
PARAMETER	UNITS	RDCSRS	NKDCSKS	LEVEL ⁽¹⁾	SAMPLE DATE	2/8/2010	2/8/2010	2/8/2010	2/8/2010	2/8/2010
					DETECTION LIMIT					
Bis(2-ethylhexyl)phthalate	mg/kg dry	35	140	790	0.33	1.6	2.9	2.0	2.2	3.0
Benzene	mg/kg dry	2	5	0.005	0.0052	<0.0050	<0.0050	<0.0050	<0.0050	<0.0052
Toluene	mg/kg dry	6,300	91,000	4	0.0052	<0.0050	<0.0050	<0.0050	<0.0050	<0.0052
Ethylbenzene	mg/kg dry	7,800	110,000	8	0.0052	<0.0050	<0.0050	<0.0050	<0.0050	<0.0052
m,p-Xylene	mg/kg dry	NA	NA	NA	0.010	<0.010	<0.010	<0.010	<0.010	<0.010
o-Xylene	mg/kg dry	NA	NA	NA	0.0052	<0.0050	<0.0050	<0.0050	<0.0050	<0.0052
Xylenes, total	mg/kg dry	12,000	170,000	12	0.016	<0.015	<0.015	<0.015	<0.015	<0.016
% Solids	% by Wt.				0.10	94	89	94	85	88

NOTES

NA = Standard Not Available

RDCSRS: Residential Direct Contact Soil Remediation Standard NRDCSRS: Nonresidential Direct Contact Soil Remediation Standard

MW19HS1 Remedial Action Waste Volume Summary Table Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey, USEPA ID No. NJD002168748

Loads	Waste/Material	Weight (Tons)
88	AOC Excavated Soils	2249.82
75	Sub-Slab Fill/Topsoil	2271.90
163	MW19HS1 Waste Total	4521.72

Load #	Date	Manifest #	Ticket #	Truck	Net Weight
1	3/30/2010	27311	315000031442	RAI880	25.81
2	3/30/2010	27312	315000031445	RAI881	34.48
3	3/30/2010	27313	315000031446	MAR892	35.63
4	3/30/2010	27314	315000031452	RAI883	34.2
5	3/30/2010	27315	315000031454	RAI888	34.33
6	3/30/2010	27316	315000031455	RAI887	33.53
7	3/30/2010	27319	315000031456	GRE210	31.77
8	3/30/2010	27318	315000031458	GRE205	32.2
9	3/30/2010	27321	315000031461	RAI885	35.15
10	3/30/2010	27320	315000031462	GRE203	33.84
11	3/30/2010	27324	315000031464	RAI71	34.93
12	3/30/2010	27322	315000031467	RAI886	34.17
13	3/30/2010	27323	315000031468	RAI91	33.04
14	3/30/2010	27326	315000031469	RAI873	35.34
15	3/30/2010	27327	315000031472	RAI889	36.12
16	3/30/2010	27328	315000031473	NIC207	27.75
17	3/30/2010	27329	315000031476	RAI877	27.39
18	3/30/2010	27325	315000031477	RAI882	36.82
19	3/30/2010	27330	315000031479	RAI862	23.22
20	3/30/2010	27331	315000031482	NIC844	24.24
21	3/30/2010	27332	315000031483	GRE208	22.87
22	3/30/2010	27333	315000031484	NIC825	24.01
23	3/30/2010	27317	315000031486	GRE209	30.23
24	3/30/2010	27334	315000031488	RAI874	28.62
25	3/30/2010	27336	315000031489	RAI805	24.88
26	3/30/2010	27335	315000031490	RAI828	25.99
27	3/30/2010	27337	315000031491	RAI891	27.77
28	3/30/2010	27338	315000031493	RAI872	32.37
29	3/30/2010	27339	315000031495	NIC103	35.14
30	3/30/2010	27340	315000031497	RAI890	34.32
31	3/30/2010	27341	315000031502	RAI871	35.05
32	3/30/2010	27342	315000031505	RAI893	34.45
33	3/30/2010	27343	315000031509	RAI02	39.28
34	3/30/2010	27344	315000031510	NIC870	38.8
35	3/30/2010	27345	315000031520	RAI881	32.26
36	3/30/2010	27347	315000031529	MAR892	30.51
37	3/30/2010	27346	315000031530	RAI888	31.55
38	3/30/2010	27351	315000031531	RAI885	38.21
39	3/30/2010	27349	315000031532	GRE205	36.15
40	3/30/2010	27348	315000031533	RAI883	29.89
41	3/31/2010	27352	315000031552	RAI91	33.51
42	3/31/2010	27356	315000031553	RAI862	34.64
43	3/31/2010	27354	315000031555	RAI890	33.85
44	3/31/2010	27353	315000031557	RAI71	32.88

TABLE 4 MW19HS1 Remedial Action Waste Volume Summary Table Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey, USEPA ID No. NJD002168748

Load #	Date	Manifest #	Ticket #	Truck	Net Weight
45	3/31/2010	27355	315000031559	RAI872	32.35
46	3/31/2010	27359	315000031565	RAI874	37.12
47	3/31/2010	27360	315000031567	RAI889	35.27
48	3/31/2010	27361	315000031570	NIC207	35.4
49	3/31/2010	27358	315000031574	GRE204	42.59
50	3/31/2010	27368	315000031577	GRE208	34.34
51	3/31/2010	27362	315000031581	NIC79	40
52	3/31/2010	27363	315000031582	RAI828	35.5
53	3/31/2010	27364	315000031583	RAI873	38.89
54	3/31/2010	27369	315000031589	NIC103	41.66
55	3/31/2010	27370	315000031590	RAI805	34.76
56	3/31/2010	27366	315000031591	GRE205	38.56
57	3/31/2010	27365	315000031592	GRE210	38.1
58	3/31/2010	27367	315000031593	GRE203	39.57
59	3/31/2010	27357	315000031594	GRE209	35.02
60	3/31/2010	27371	315000031596	RAI877	35.27
61	3/31/2010	27373	315000031598	RAI886	38.6
62	3/31/2010	27374	315000031600	NIC870	29.83
63	3/31/2010	27372	315000031633	RAI887	40.75
64	3/31/2010	27375	315000031634	RAI862	26.2
65	3/31/2010	27376	315000031635	RAI890	26.33
66	3/31/2010	27377	315000031636	RAI872	25.38
67	3/31/2010	27378	315000031637	RAI874	24.97
68	3/31/2010	27379	315000031638	NIC207	23.81
69	3/31/2010	27380	315000031639	RAI889	23.18
70	3/31/2010	27381	315000031642	RAI828	23.1
71	3/31/2010	27382	315000031643	NIC79	24.16
72	3/31/2010	27383	315000031644	GRE208	23.31
73	3/31/2010	27384	315000031647	RAI873	27.12
74	3/31/2010	27385	315000031648	NIC103	27.65
75	3/31/2010	27386	315000031651	RAI805	27.9
76	3/31/2010	27387	315000031652	GRE205	27.34
77	3/31/2010	27388	315000031653	GRE210	25.67
78	3/31/2010	27395	315000031654	GRE209	21.49
79	3/31/2010	27394	315000031655	GRE203	25.76
80	3/31/2010	27396	315000031656	RAI886	25.37
81	4/1/2010	27403	315000031672	RAI828	26.27
82	4/1/2010	27404	315000031673	RAI880	26.59
83	4/1/2010	27406	315000031674	RAI890	24.82
84	4/1/2010	27407	315000031676	RAI889	24.1
85	4/1/2010	27401	315000031677	RAI873	23.53
86	4/1/2010	27402	315000031679	RAI872	27.87
87	4/1/2010	27410	315000031682	NIC207	23.44
88	4/1/2010	27411	315000031683	TEV22	23.71
89	4/1/2010	27414	315000031686	TEV14	22.96
90	4/1/2010	27413	315000031688	GRE210	21.47
91	4/1/2010	27415	315000031689	GRE209	21.4
92	4/1/2010	27417	315000031690	RAI805	23.32
93	4/1/2010	27416	315000031690	RAI862	21.34
94	4/1/2010	27409	315000031691	GRE208	22.16

TABLE 4 MW19HS1 Remedial Action Waste Volume Summary Table Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey, USEPA ID No. NJD002168748

Load #	Date	Manifest #	Ticket #	Truck	Net Weight
95 96	4/1/2010	27412 27420	315000031693	TEV66 HAP46	20.59 21.51
96	4/1/2010		315000031698		
98	4/1/2010 4/1/2010	27418 27419	315000031699 315000031701	TEV135 TEV06	21.87 22.04
99	4/1/2010	27419	315000031701	NIC103	24.7
100	4/1/2010	27421	315000031704	GRE203	21.25
100	4/1/2010	27423	315000031700	RAI102	22.74
102	4/1/2010	27424	315000031725	NIC80	24.56
102	4/1/2010	27427	315000031720	RAI890	21.68
103	4/1/2010	27428	315000031734	RAI889	22.47
105	4/1/2010	27425	315000031735	RAI828	21.35
106	4/1/2010	27426	315000031737	RAI880	22.3
107	4/1/2010	27429	315000031737	RAI873	22.97
107	4/1/2010	27430	315000031740	RAI872	24.52
109	4/1/2010	27430	315000031741	TEV14	26.37
110	4/1/2010	27433	315000031742	TEV14	22.79
110	4/1/2010	27433	315000031743	TEV22	24.19
112	4/1/2010	27434	315000031744	NIC207	22.9
113	4/1/2010	27434	315000031745	GRE210	21.23
113	4/1/2010	27436	315000031748	GRE210 GRE209	23
115	4/1/2010	27437	315000031747	RAI805	22.1
116	4/1/2010	27439	315000031748	GRE208	22.55
117		27439	315000031749	RAI862	21.28
117	4/1/2010 4/1/2010	27441	315000031750	TEV135	21.62
119	4/1/2010	27441	315000031751	HAP46	23.46
120	4/1/2010	27440		NIC103	24.21
120	4/1/2010	27442	315000031754 315000031755	TEV45	20.82
121	4/1/2010	27445	315000031755	RAI885	23.57
123	4/1/2010	27443	315000031756	GRE203	21.82
123	4/1/2010	27444	315000031757	RAI02	27.33
125		27447		RAI02 RAI102	
125	4/1/2010 4/1/2010	27447	315000031759 315000031760	NIC80	25.49 24.75
120			315000031760	TEV10	
	4/1/2010	24750 27449			26.81
128 129	4/1/2010 4/2/2010	27449	315000031762 315000031792	RAI882 RAI871	26.1 23.89
130		27451	315000031792		24.15
131	4/5/2010 4/5/2010	27451		GRE209 TEV04	
131	4/5/2010	27453 27452	315000031863	CVT99	24.64
132			315000031864	TEV57	25.97
	4/5/2010	27454	315000031866		23.97
134	4/5/2010	27457	315000031871	TEV88	22.27
135	4/5/2010	27458 27455	315000031874	TEV06	22.05 25.53
136 137	4/5/2010 4/5/2010		315000031876	TEV30 BLA8224	25.53
		27459	315000031877	TEV77	
138	4/5/2010	27460	315000031878	GRE210	26.49
139	4/5/2010	27461	315000031879	TEV16	26.35
140 141	4/5/2010 4/5/2010	27456 27463	315000031884 315000031892	GRE203	20.65 23.32
141		27462			
	4/5/2010	27464	315000031893	GRE209	23.68
143	4/5/2010		315000031896	GRE210	26.83
144	4/5/2010	27465	315000031897	TEV14	21.71

TABLE 4 MW19HS1 Remedial Action Waste Volume Summary Table Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey, USEPA ID No. NJD002168748

Load #	Date	Manifest #	Ticket #	Truck	Net Weight
145	4/5/2010	27466	315000031898	CVT99	24.06
146	4/5/2010	27468	315000031906	TEV88	21.44
147	4/5/2010	27467	315000031907	BLA8224	24.08
148	4/5/2010	27469	315000031911	TEV170	15.13
149	4/5/2010	27470	315000031912	BLA2482	17.66
150	4/16/2010	27510	315000032776	GRE210	24.13
151	4/16/2010	27511	315000032780	RAI91	22.52
152	4/16/2010	27514	315000032783	GRE205	26.9
153	4/16/2010	27515	315000032784	GRE209	26.82
154	4/16/2010	27516	315000032786	RAI71	27.45
155	4/16/2010	27518	315000032791	GRE208	25.45
156	4/16/2010	27519	315000032820	GRE203	22.06
157	4/16/2010	27520	315000032846	RAI881	26.23
158	4/16/2010	27521	315000032848	RAI880	27.15
159	4/16/2010	27522	315000032851	GRE210	28.27
160	4/16/2010	27523	315000032860	GRE205	28.14
161	4/16/2010	27525	315000032862	RAI71	28.78
162	4/16/2010	27524	315000032863	GRE209	27.36
163	4/16/2010	27526	315000032876	NIC870	28.97

Summary of MW19HS1 Remedial Action Construction Costs

Dayco Corporation/L.E. Carpenter Superfund Site

Borough of Wharton, Morris County, New Jersey, USEPA ID No. NJD002168748

	DESCRIPTION	QUANTITY	UNITS	TOTAL COST
1	Mobilization, Project Set-up, Environmental Permitting, and Administration	1	Lump Sum	\$52,834
2	Environmental Construction Oversight and Confirmatory Sample Analyses	1	Lump Sum	\$97,063
За	Excavate, Stockpile, and Load Targeted Hot Spot Soils	2.420	Tons	\$69,743
3b	Transport and Dispose Targeted Hot Spot Soils	2,420	TOTIS	\$161,041
4a	Excavate, Stockpile, and Load Bldg. 9 Sub-Slab Soils and Process Wastes	2,102	Tons	\$69,743
4b	Transport and Dispose Bldg. 9 Sub-Slab Soils and Process Wastes	2,102	10115	\$141,073
5	Site Backfill & Restoration	1	Lump Sum	\$83,692
6	Demobilization	1	Lump Sum	\$27,897
			TOTAL	\$703,086

LEC Reported Financial Data

1 Contractor costs (2 authorizations: \$105,632 & \$173,340); Total =

\$278,972

RMT Assumptions for Contractor costs:

1 Mobilization = 10% 2 Demobilization = 10% 3 Excavation = 50%

(excavation split equally between Item 3 and 4 above)

4 Backfill & Restore = 30%

MW19HS1 Post Excavation Monitoring Well Details and Objectives Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey, USEPA ID No. NJD002168748

Well	MW19HS1 Objectives
MW-19R	Monitor shallow aquifer within the area of the former Building 9 floor drains where process waste was encountered and removed during the remedial action to compare post excavation to pre-excavation COC concentrations and MNA process characteristics.
MW-19-5R	Monitor shallow aquifer downgradient from remedial action excavation area in order to compare post excavation to pre-excavation COC concentrations and MNA process characteristics.
MW-19-6R	Monitor shallow aquifer laterally from remedial action excavation area in order to compare post excavation to pre-excavation COC concentrations and MNA process characteristics.
MW-19-7R	Monitor shallow aquifer downgradient from remedial action excavation area in order to compare post excavation to pre-excavation COC concentrations and MNA process characteristics.
MW-19-13	Establish post excavation baseline for MNA analysis and determine COC parameter concentrations in the area sidegradient from the MW19HS1 remedial action excavation area.
MW-19-14	Establish baseline for MNA analysis and determine dissolved concentrations of COC parameter concentrations within the area of the former Building 9 floor drains where process waste was encountered and removed during the remedial action.
MW-19-15	Establish "background" baseline for MNA analysis and determine COC parameter concentrations in the area upgradient from the MW19HS1 remedial action excavation area.
MW-19-16	Establish "background" baseline for MNA analysis and determine COC parameter concentrations in the area up- and sidegradient from the MW19HS1 remedial action excavation area.
MW-19-17	Establish post excavation baseline for MNA analysis and determine COC parameter concentrations in the area sidegradient from the MW19HS1 remedial action excavation area. Monitor water quality on the north side of the regional sewer line.
Soil Gas Boring	MW19HS1 Objectives
MW19HS1-SG-R1	Verify and strengthen previous soil-gas data that showed soil gas with elevated levels of COCs was not migrating across Ross St. and determine the post excavation distribution of soil gas within the MW19HS1 area that exceeds the NJDEP Generic Vapor Intrusion Screening Levels, if any.
MW19HS1-SG-R2	Verify and strengthen previous soil-gas data that showed soil gas with elevated levels of COCs was not migrating across Ross St. and determine the post excavation distribution of soil gas within the MW19HS1 area that exceeds the NJDEP Generic Vapor Intrusion Screening Levels, if any.
MW19HS1-SG-R3	Verify and strengthen previous soil-gas data that showed soil gas with elevated levels of COCs was not migrating across Ross St. and determine the post excavation distribution of soil gas within the MW19HS1 area that exceeds the NJDEP Generic Vapor Intrusion Screening Levels, if any.

COCs = Contaminants of Concern: benzene, toluene, ethylbenzene, xylenes, and bis (2-ethyl hexyl) phthalate (DEHP)

AOC = Area of Concern

MNA = Monitored Natural Attenuation

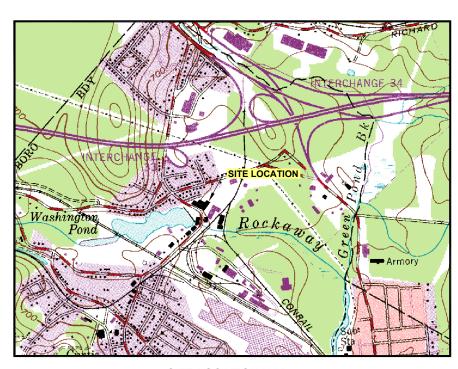
DAYCO CORPORATION / L.E. CARPENTER SUPERFUND SITE

BOROUGH OF WHARTON, MORRIS COUNTY, NEW JERSEY ADDENDUM TO THE REMEDIAL ACTION REPORT MW19HS1 SOIL REMEDIATION

PREPARED FOR: L.E. CARPENTER & COMPANY

PREPARED BY: RMT, INC.

DATE: JULY 2010



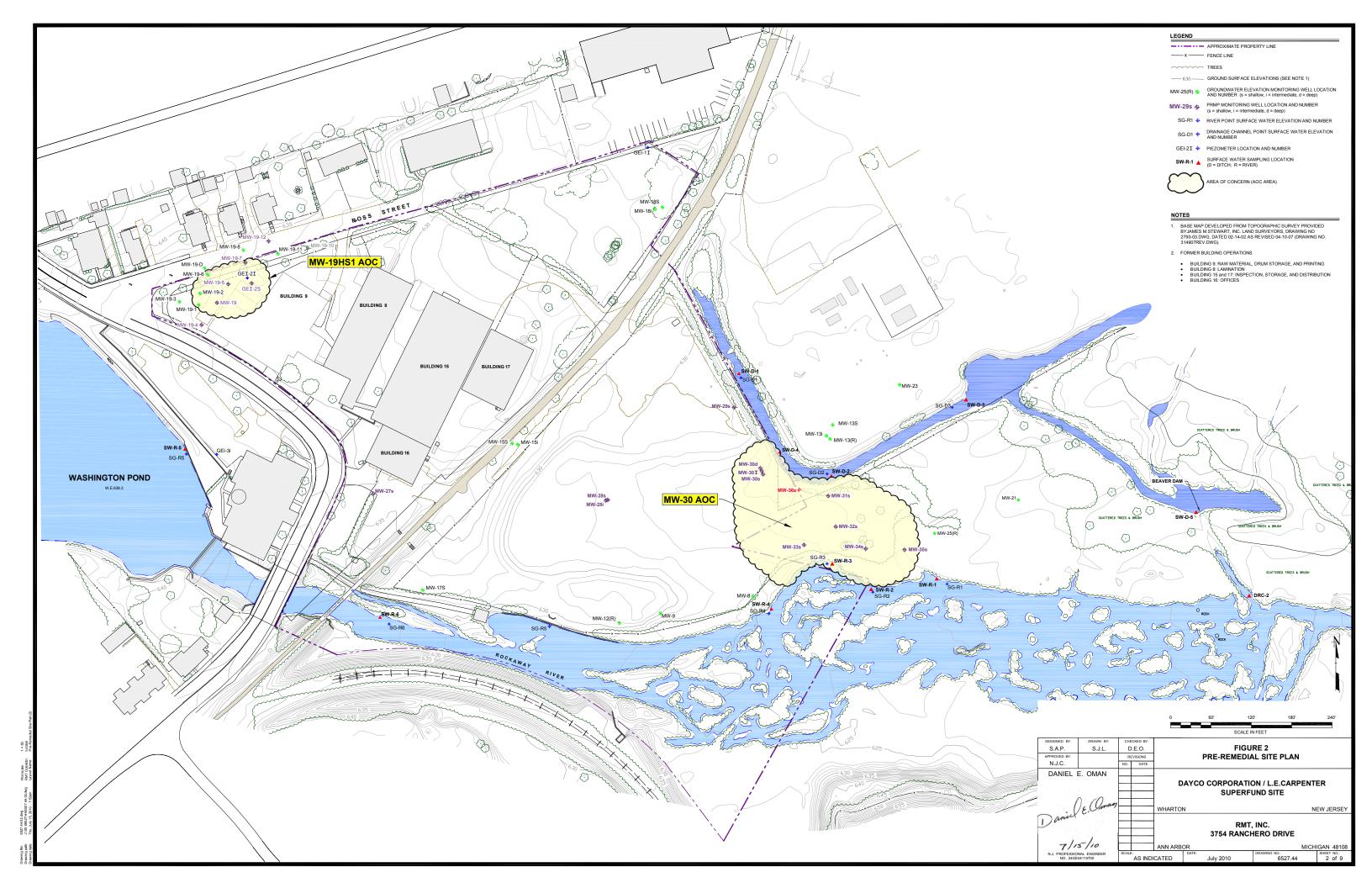


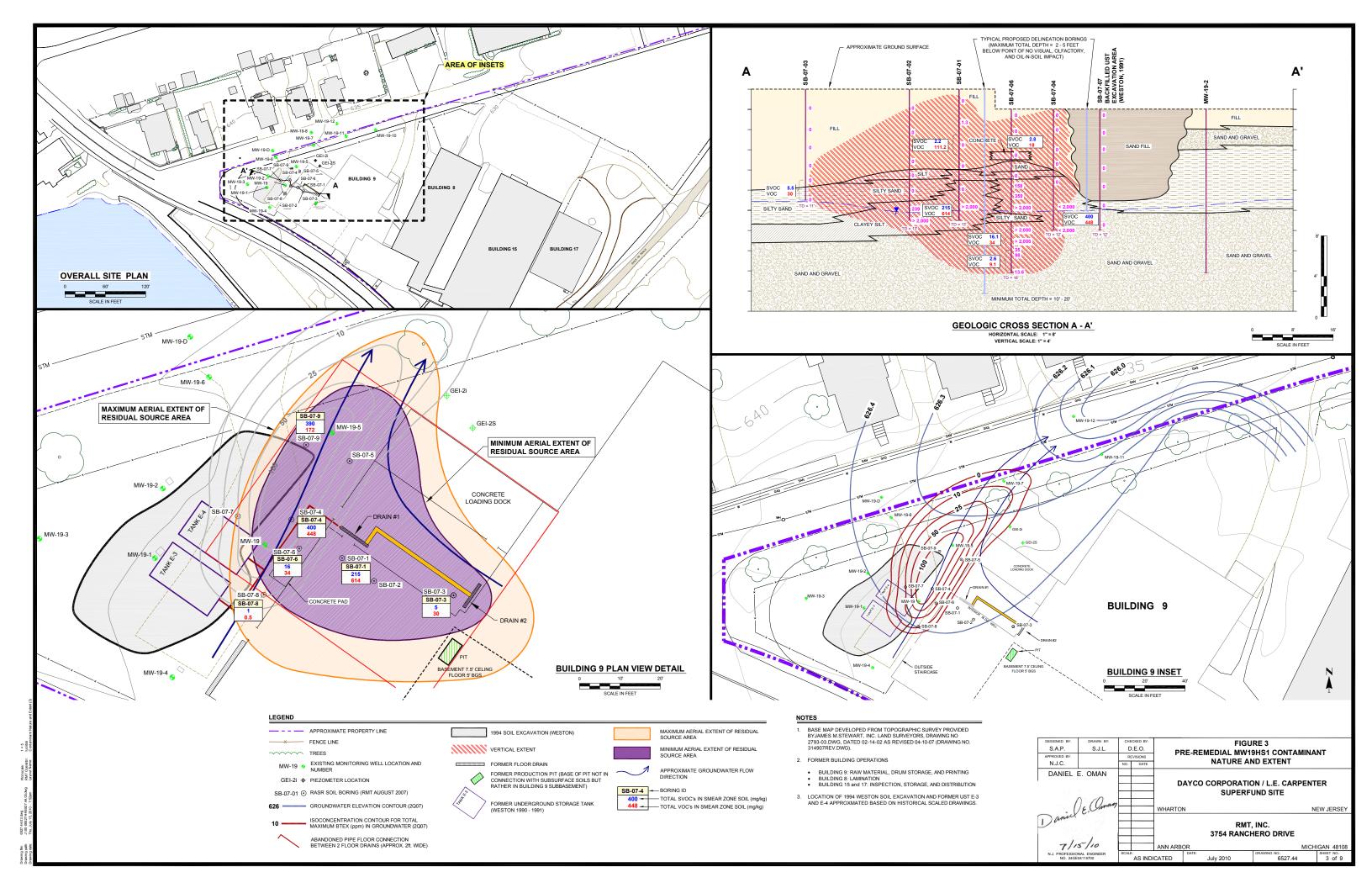
DRAWING INDEX

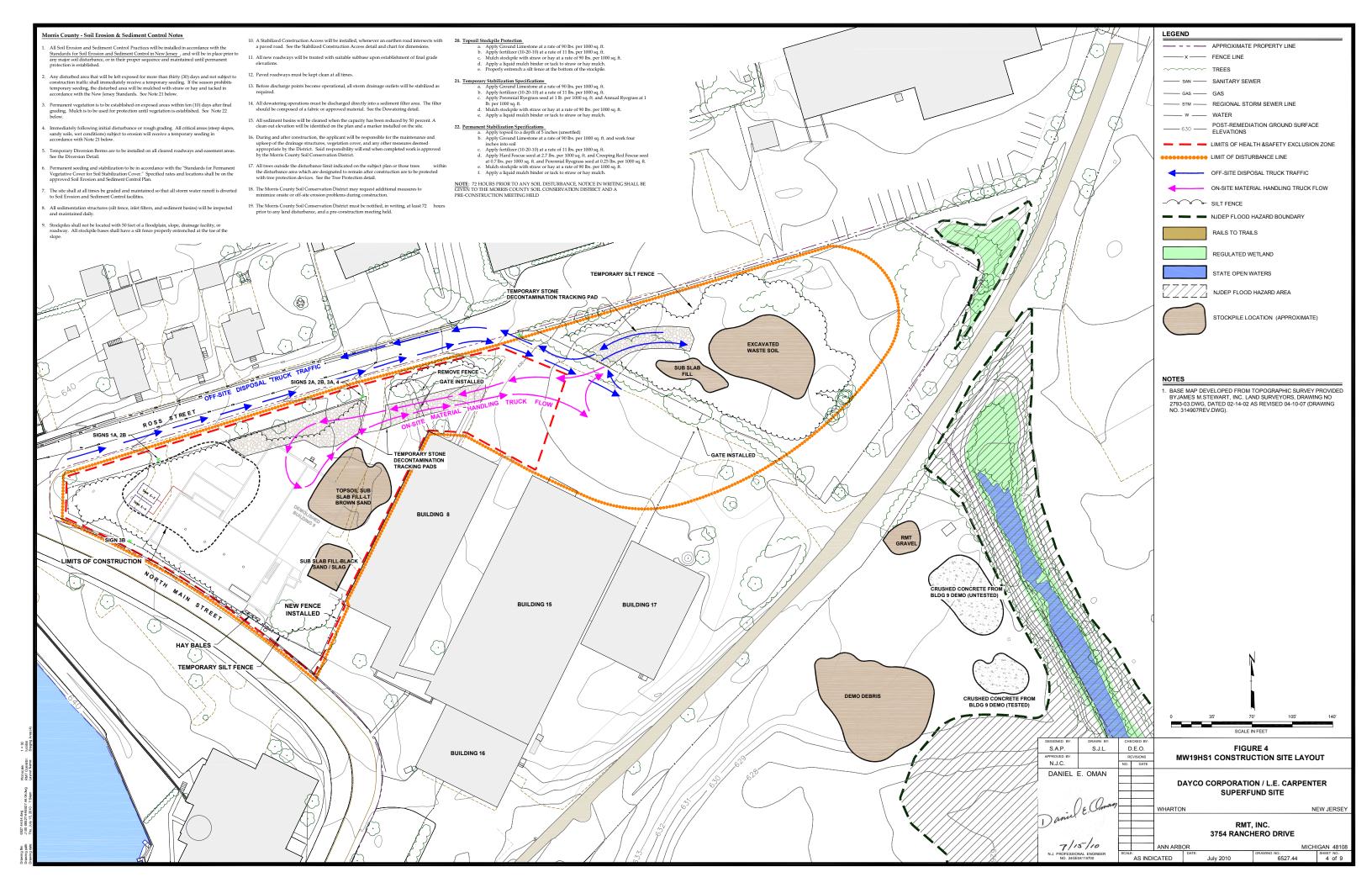
FIGURE NO.	SHEET TITLE
1	TITLE SHEET / DRAWING INDEX
2	PRE-REMEDIAL SITE PLAN
3	PRE-REMEDIAL MW19HS1 CONTAMINANT NATURE AND EXTENT
4	MW19HS1 CONSTRUCTION SITE LAYOUT
5	EAST-WEST CROSS SECTION SHOWING PRE-REMEDIATION EXTENTS OF CONTAMINANTS AND ACTUAL MW19HS1 EXCAVATION LIMITS
6	MW19HS1 EXCAVATION EXTENT AND CONFIRMATORY SOIL SAMPLING LOCATIONS
7	MW19HS1 CONSTRUCTION DETAILS
8	AS-BUILT FINAL GRADE AND END USE PLAN
9	MW19HS1 PROPOSED POST REMEDIATION MONITORING LOCATIONS

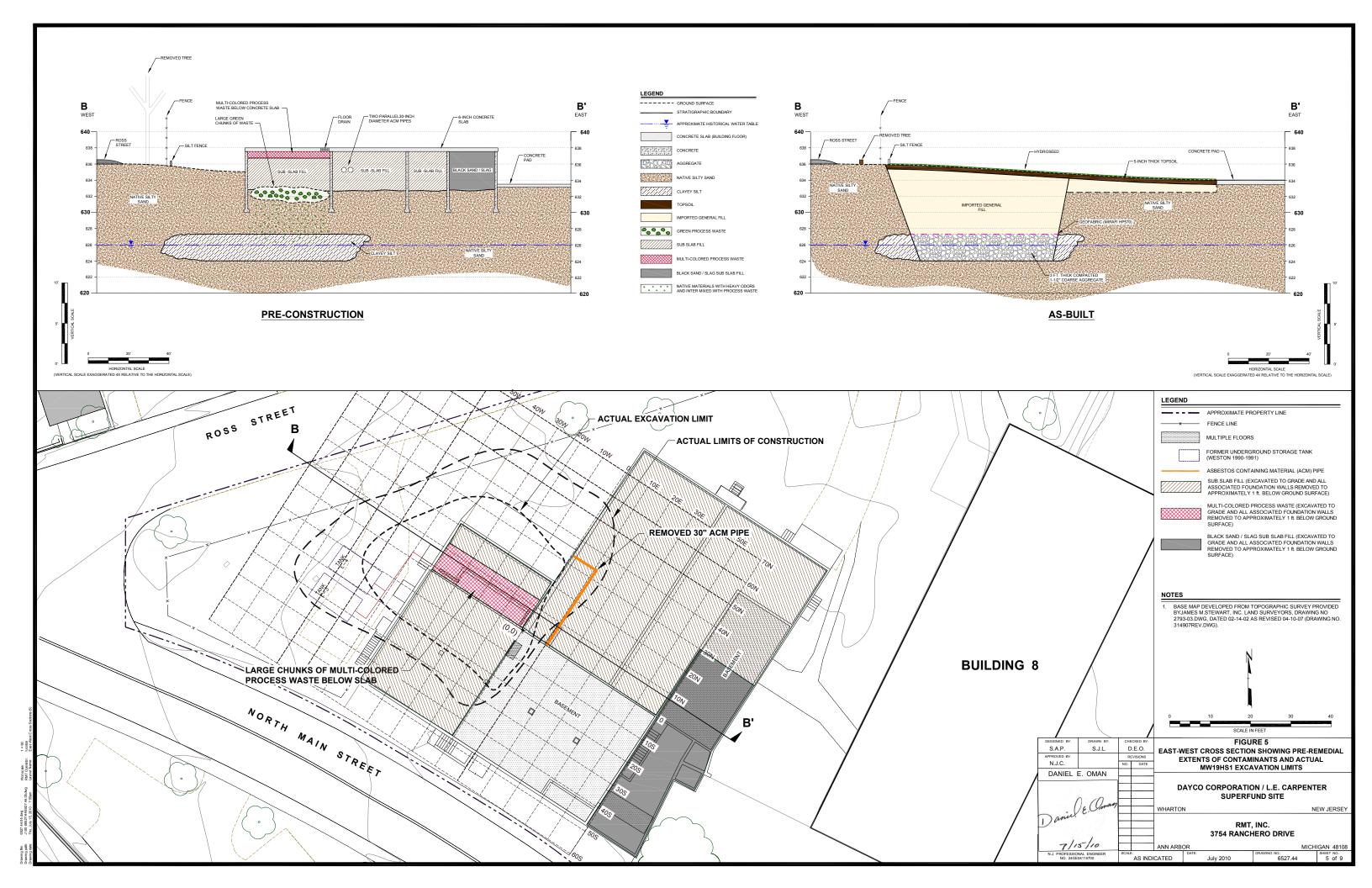
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TITLE SHEET / DRAWING INDEX	TITLE SHEET / D		REVISIONS			APPROVED BY:	
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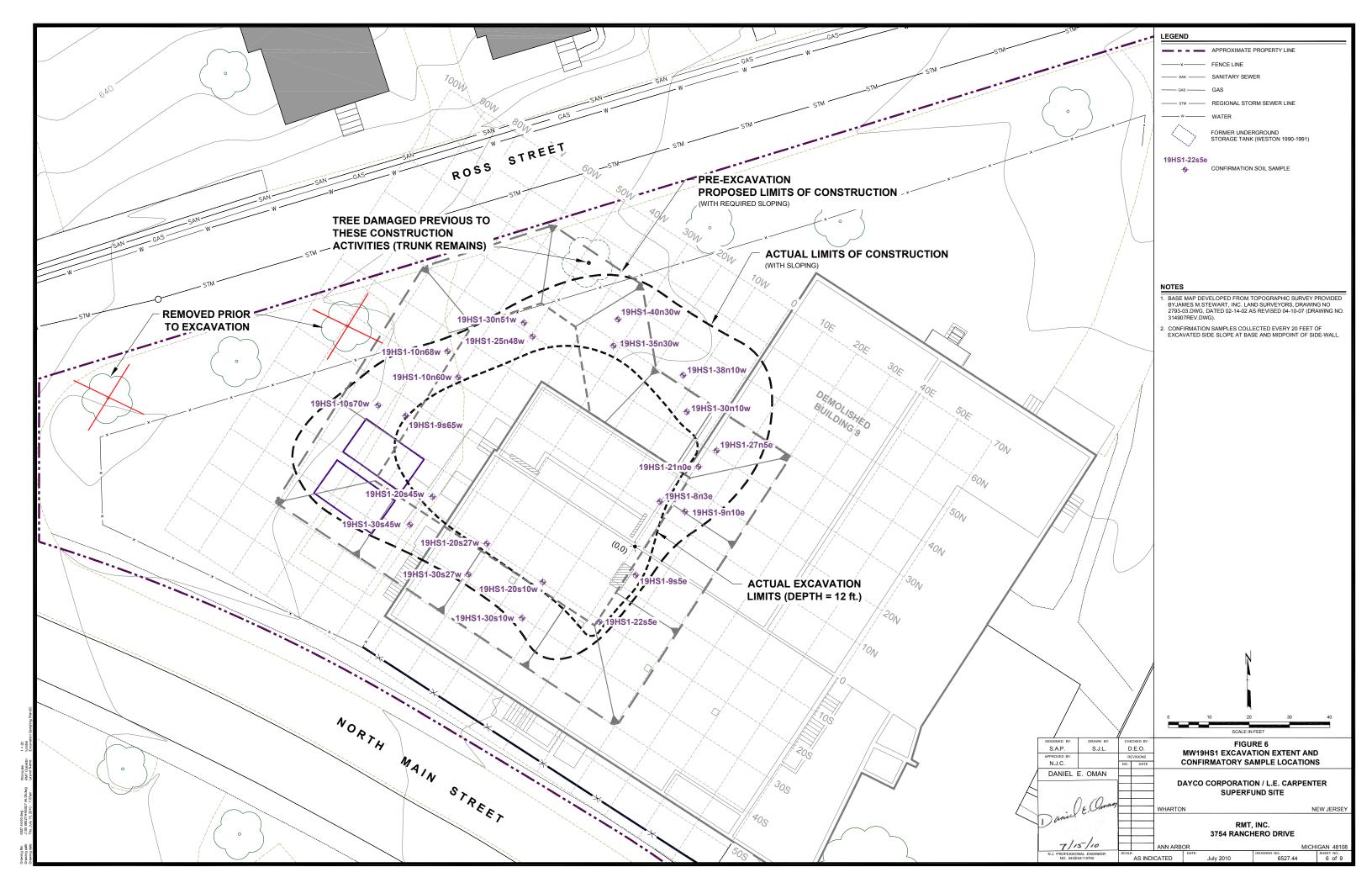
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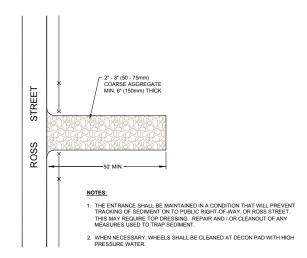


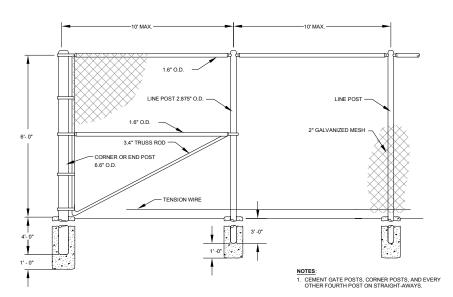


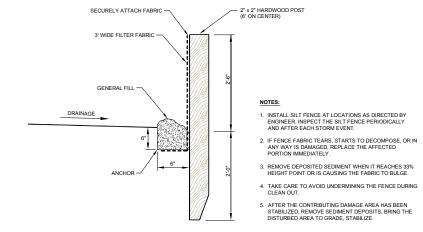












TEMPORARY STONE CONSTRUCTION ENTRANCE / EXIT DETAIL (TYPICAL)

NOT TO SCALE

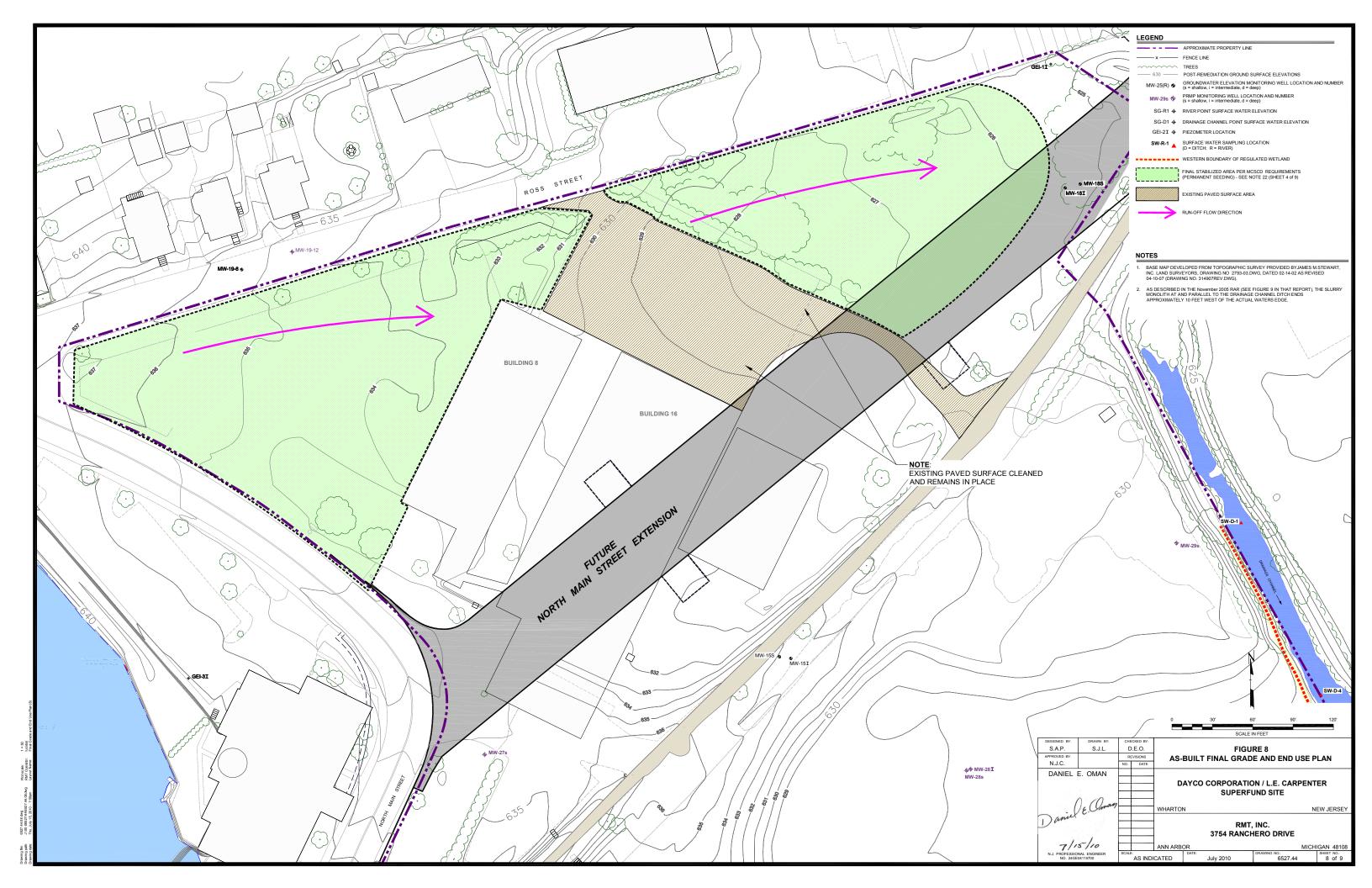
CHAIN LINK FENCE

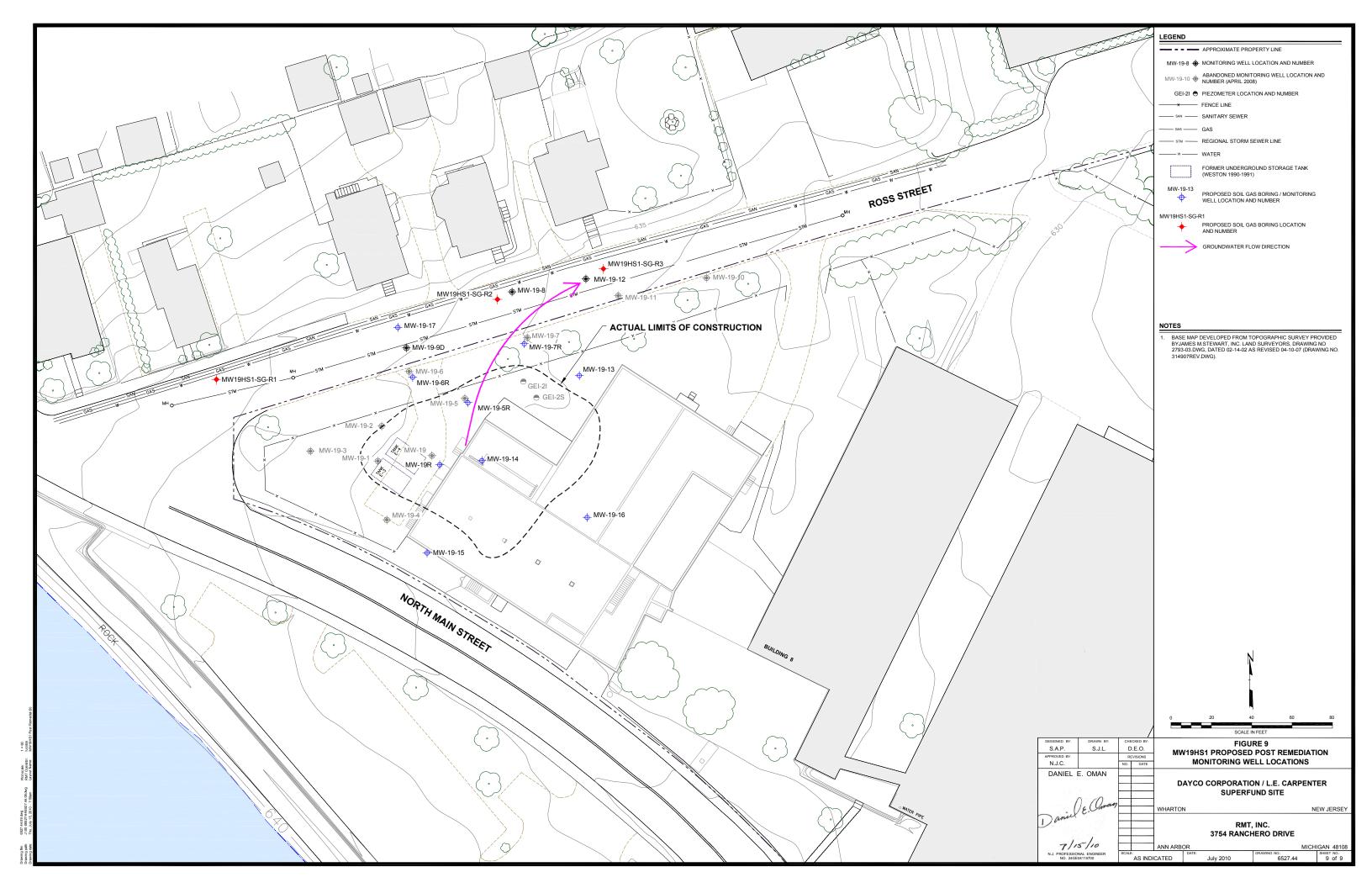
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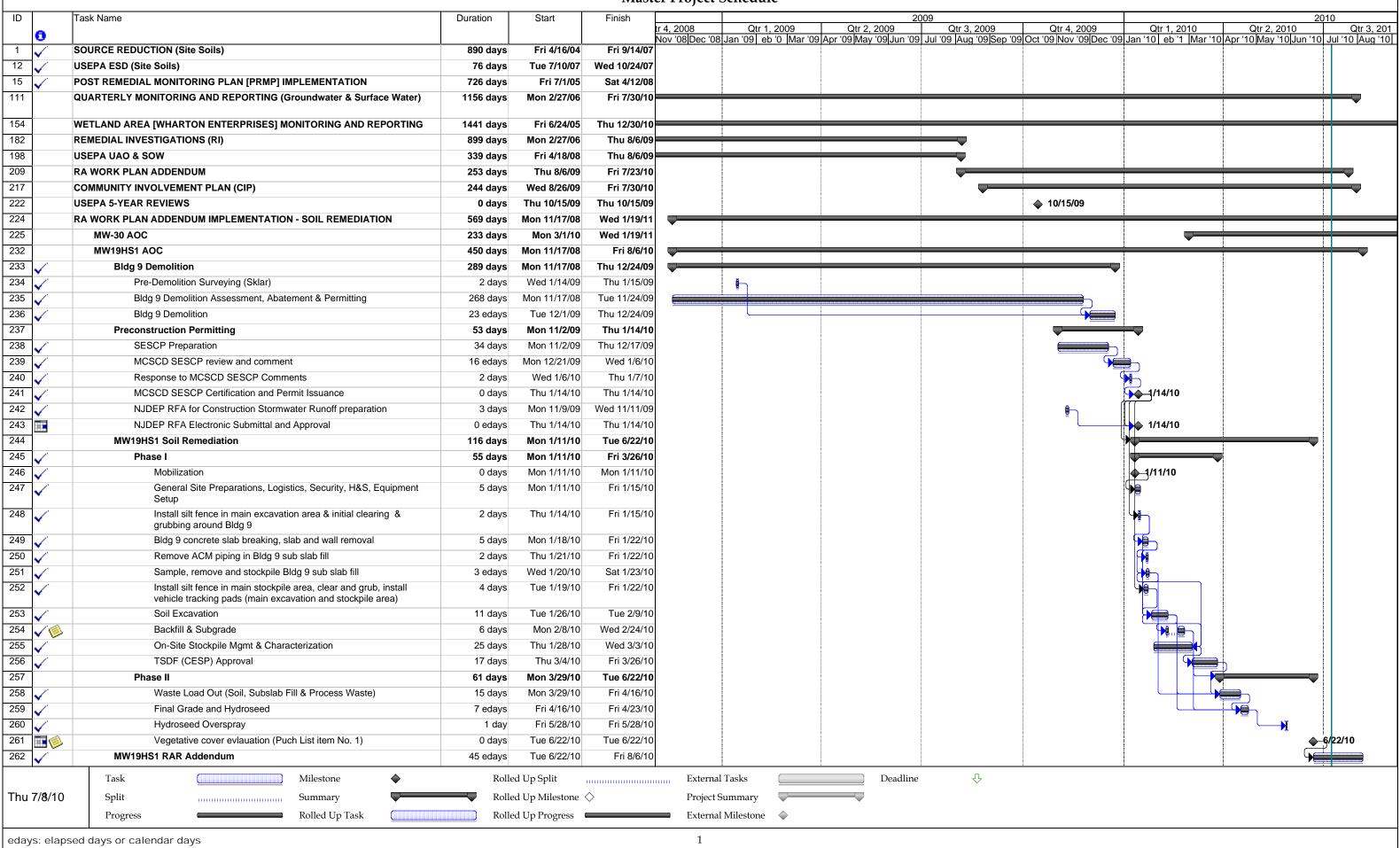
SEDIMENT CONTROL (SILT) FENCE

NOT TO SCALE

DESIGNED BY:	DRAWN BY:	CHE	CKED BY:							
S.A.P.	S.J.L.	D	.E.O.			FIGU	RE 7			
APPROVED BY:		RE	EVISIONS		MW1	9HS1 CONSTR	RUCTION DET	AILS		
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N.J. PROFESSIO NO. 24GE		SCALE	: AS INDI	CATED	DATE:	July 2010	DRAWING NO.: 6527.44		SHEET 7	of 9







LISEPA ID No.	N JD002168748

Dayco Corporation/L. E. Carpenter Superfund Site ~ Borough of Wharton, Morris County, NJ Master Project Schedule

Thu 7/8/10

251	Rackfill	Ω	Subarada

254 Backfill & Subgrade
Task split due to Tilcon (Borrow Source) delays trucking fill from quarry due to winter weather

261 Vegetative cover evaluation (Puch List item No. 1)
Due to heavy precipitation and later drought conditions, the ability to establish vegetative cover in the MW19HS1 area was limited. A second Hydroseed overspray will occur in the fall of 2010 when weather conditions are more advantageous. The completion of the RAR Addendum was driven by identification of this Punch list No. 1 item (45 calendar days).

MORRIS COUNTY SOIL CONSERVATION DISTRICT

MAILING ADDRESS:

Morris County Courthouse F.O. Rox and Morristown, N.I. 07963-0900

12/15/09



LOCATION ADDRESS:

560 West Hanover Avenue Morris Township, N.J.

Tel: 973-285-2953 Fax: 973-285-8345

E-Mail: www.mcsed.org

to recording with the "Soil Erosion and Sediment Control Act", Chapter 251, Public Laws of 1975, the Morris Count, Soil Conservation District hereby certifies the subject plan does conform to the Standards for Soil Erosion and Sediment Control in New Jersey promulgated pursuant to the Act.

Kneep and Manicipality		170 North M	Wharton Boro	Borough		
Blook	301	Lot(s): 1	i a francisco de la completa del la completa de la completa del la completa de la completa del la completa de la completa de la completa del la completa	Application No.:_	2010-7910	
			6527.	37.16		

MORRIS COUNTY
SOIL CONSERVATION DISTRICT

1/7/10

Centification Date

January 27, 2010

Expiration Date

July 27, 2013

Chairman or Representative

Member - New Jersey Association of Conservation District National Association of Conservation Districts



New Jersey Department of Environmental Protection

Bureau of Nonpoint Pollution Control Division of Water Quality PO Box 029

Trenton, NJ 08625-0029

Phone: (609) 633-7021 Fax: (609) 984-2147 PI ID #: 515610

Portal ID#: 42125

NJPDES #: NJG0176681

Payment Arrangement: Credit Card

Paid Online: Yes
Paid On: 01/14/2010

This Authorization form is requested to be located at the regulated construction site at all times and be available for inspection by any authorized representative of the New Jersey Department of Environmental Protection. If you have designated an agent, it is your responsibility to notify your agent about this General Permit and its requirements.

AUTHORIZATION TO DISCHARGE 5G3 -Construction Activity Stormwater (GP)

To ensure compliance during the construction activity please print out the Stormwater Construction Permit terms and conditions at http://www.state.nj.us/dep/dwq/pdf/5g3_finalpermit.pdf

Facility Name and Address:

MW19/Hot Spot 1 Remedial Action 170 North Main Street Wharton, NJ 07885

<u>Type of Activity:</u> Stormwater Discharge General Permit Authorization New

Owner:

Ernie Schaub 33587 Walker Road Avon Lake, OH 44012

Operating Entity:

CARPENTER LE 33587 WALKER RD AVON LAKE, OH 44012

Electronically certified online by the responsible party Ernie Schaub On 01/13/2010.

Issuance Date	Effective Date of Authorization
01/14/2010	01/14/2010

Your Request for Authorization under NJPDES General Permit No. NJG0176681 has been approved by the New Jersey Department of Environmental Protection.

Date: 01/14/2010

Ed Frankel, P.P., Section Chief Bureau of Nonpoint Pollution Control Division of Water Quality New Jersey Department of Environmental Protection Soil Conservation District – MORRIS
560 West Hanover Avenue
Morris County Courthouse
PO Box 900
Morristown,NJ 07960
(201) 285-2953



BOROUGH OF WHARTON ADMINISTRATIVE OFFICES

10 ROBERT STREET, WHARTON, NJ 07885-1997 973-361-8444 EXTENSION 21/ Fax: 973-361-5281

ROAD OPENING PERMIT

DATE:

October 6th, 2009

PERMIT # ROP-09-05

APPLICANT: RMT, Inc.

ADDRESS:

744 Heartland Trl, P.O. Box 8923, Madison, Wis. 53708

TELEPHONE: 616-975-5415

ROAD OPENING LOCATION: Ross Street

Abandoning of monitoring wells in accordance with NJDEP/USEPA

STARTING DATE:

October 12th, 2009

COMPLETION DATE: October 16th, 2009

DOES OPENING COMPLETELY BLOCK ROAD:

No

DURATION OF OPENING:

Unknown

APPROVED BY:

PedroR, Moreno

Housing/Zoning Official Borough of Wharton

PLEASE NOTE:

THE BOROUGH HOUSING/ZONING OFFICIAL MUST BE NOTIFIED 24 HOURS PRIOR TO THE COMMENCEMENT OF WORK ON ALL ROAD OPENINGS. PLEASE CALL 973-361-8444 EXT 21.

Pawlukiewicz, Scott

From:

Pierre.Patricia@epamail.epa.gov

Sent:

Wednesday, December 30, 2009 4:41 PM

To: Cc: Clevett, Nicholas Rogowski, Amanda; McKenzie, Dave; Ernie.Schaub@Polyone.com; Overvoorde, Jennifer;

Pawlukiewicz, Scott

Subject:

RE: Comments on September 2009 Addendum to the Remedial Action Work Plan for Source

Reduction

Hi Nick:

The responses look good. You may proceed with the work in the MW-19 area. Please make the appropriate changes in the work plan addendum and send me only the revised pages in hard copy (I need to have at least one complete hard copy in the site file), as well as the revised document in electronic form. You can actually wait until the responses to comments on the MW-30 area and QAPP have been submitted and approved before doing this. I will send a formal approval letter on the entire work plan addendum at that time.

Please let me know if you are still on-schedule for beginning sub-slab demo activities next week. Thanks. Happy New Year!

Patricia Simmons Pierre Remedial Project Manager US Environmental Protection Agency

Office: (212) 637-3865 Fax: (212) 637-3966

email:pierre.patricia@epa.gov

"Clevett,
Nicholas"
<Nicholas.Clevet
t@rmtinc.com>

12/29/2009 01:53

To Patricia Pierre/R2/USEPA/US@EPA cc

"Ernie.Schaub@Polyone.com"
<Ernie.Schaub@Polyone.com>,

"Overvoorde, Jennifer"

<Jennifer.Overvoorde@rmtinc.com>,

"McKenzie, Dave"

<Dave.McKenzie@rmtinc.com>,

"Pawlukiewicz, Scott"

<Scott.Pawlukiewicz@rmtinc.com>,

"Rogowski, Amanda"

<Amanda.Rogowski@rmtinc.com>

Subject

RE: Comments on September 2009 Addendum to the Remedial Action Work Plan for Source Reduction

Patricia -

Please find attached our response to the Dec 21st comments regarding the RA Work Plan Addendum. Happy New Year and call with questions.

Nick

Nicholas J. Clevett, Senior Client Service Manager | RMT | 2025 East Beltline Avenue SE Suite 402 Grand Rapids MI 49546 Direct: 616.975-5415 | Cell: 616.780-2398 | Fax: 616.975-1098 | CREAT I N G B A L ANCE

----Original Message----

From: Pierre.Patricia@epamail.epa.gov [mailto:Pierre.Patricia@epamail.epa.gov] Sent: Monday, December 21, 2009 1:20 PM

To: Clevett, Nicholas

Cc: Ernie.Schaub@Polyone.com; Overvoorde, Jennifer

Subject: Comments on September 2009 Addendum to the Remedial Action Work Plan for Source

Reduction

Greetings to All:

Attached please find EPA's and NJDEP's comments on the subject document. I understand that the demolition contractor expects to complete the above-grade demolition activities for building 9 within the next two weeks. Please let me know if this time frame changes. If there are any questions or concerns regarding the attached comments, please do not hesitate to contact me. Happy Holidays!

(See attached file: RAW Addendum Comments.doc)

Patricia Simmons Pierre Remedial Project Manager US Environmental Protection Agency

Office: (212) 637-3865 Fax: (212) 637-3966

email:pierre.patricia@epa.gov

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NOTICE--This email may contain confidential and privileged information for the sole use of the intended recipient. Any review or distribution by others is strictly prohibited. If you are not the intended recipient, please contact the sender immediately and delete all copies. [attachment "L000652739_002.pdf" deleted by Patricia Pierre/R2/USEPA/US]

Overvoorde, Jennifer

From: Sent: Pierre.Patricia@epamail.epa.gov Monday, October 05, 2009 11:43 AM

To:

Clevett, Nicholas

Cc: Subject: Alvey.Robert@epamail.epa.gov; Overvoorde, Jennifer Re: DayCo/LEC - MW19HS1 Well Abandonments

Nick:

We have reviewed the list of monitoring wells presented in Table 9 of the September 2009 RA Work Plan Addendum. These wells are being proposed for abandonment in preparation for the demolition of Building 9. The wells listed in Table 9 are hereby approved for abandonment. If you have any questions regarding this matter, please do not hesitate to contact me. Thank you.

Patricia Simmons Pierre Remedial Project Manager US Environmental Protection Agency

Office: (212) 637-3865 Fax: (212) 637-3966

email:pierre.patricia@epa.gov

"Clevett, Nicholas"

<Nicholas.Clevet

t@rmtinc.com>

Patricia Pierre/R2/USEPA/US@EPA

СС

To

09/24/2009 12:04

PΜ

"Overvoorde, Jennifer"

<Jennifer.Overvoorde@rmtinc.com>,

"Dexter, Jim"

<<u>Jim.Dexter@rmtinc.com</u>>

Subject

DayCo/LEC - MW19HS1 Well

Abandonments

Patricia -

I understand you have had a few conversations with Jennifer regarding the demo schedule for Bldg 9. As outlined in the RA Work Plan Addendum Schedule it is tentatively scheduled to

kick off mid Oct 09. With this in mind, can you provide interim [email] approval to abandon those

MW19HS1 monitoring wells proposed in Figure 17 of the RA Work Plan Addendum in preparation for Bldg 9 demolition? We are in the process of setting up our field schedule and don't want to hinder the demo due to well abandonment issues.

Please call with questions.

Nick

Nicholas J. Clevett, Senior Client Service Manager | RMT | 2025 East Beltline Avenue SE Suite 402 Grand Rapids MI 49546 Direct: 616.975-5415 | Cell: 616.780-2398 | Fax: 616.975-1098 | CREAT I N G B A L ANCE

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1/1



BOROUGH OF WHARTON ADMINISTRATIVE OFFICES

10 ROBERT STREET, WHARTON, NJ 07885-1997 973-361-8444 EXTENSION 21/ Fax: 973-361-5281

TREE REMOVAL - APPLICATION/PERMIT

BLOCK: 301 LOT: 1 ZONE: I-1

NAME: RMT, INC.

ADDRESS: 2075 E. BELTLINE. ALE SE, SUITE. 402, Grand RAPIDS MI 49546

TELEPHONE: (616) 915-3604 [Cell: Scott Pawakiewicz]

LOCATION OF TREE/TREES:

REASON FOR REMOVAL: NEAT PROPOSED EXCAUNTION.

SIGNATURE: Seott Parlit DATE: 1/11/10
FEE: \$25.00

BELOW FOR BOROUGH USE ONLY

DATE RECEIVED: 1-11-10

REFERRED TO BOROUGH ENGINEER:
REFERRED TO ENVIRONMENTAL COMMISSION:
DETERMINATION: O K for hemovel

Pedro R. Moreno

Housing/Zoning Official

Date: /-//-/0



BOROUGH OF WHARTON ADMINISTRATIVE OFFICES

10 ROBERT STREET, WHARTON, NJ 07885-1997 973-361-8444 EXTENSION 21/ Fax: 973-361-5281

TREE REMOVAL - APPLICATION/PERMIT

BLOCK: 301

LOT: 1 ZONE: I-1

NAME: RMT. Inc.

ADDRESS: 170 N Main St, Wharton, NJ

TELEPHONE: 616-915-3604

LOCATION OF TREE/TREES: Along Ross St, near proposed excavation.

REASON FOR REMOVAL: Tree near excavation

SIGNATURE:

DATE: 1/11/2010

FEE: \$25.00

BELOW FOR BOROUGH USE ONLY

DATE RECEIVED: 1/11/2010

REFERRED TO BOROUGH ENGINEER:

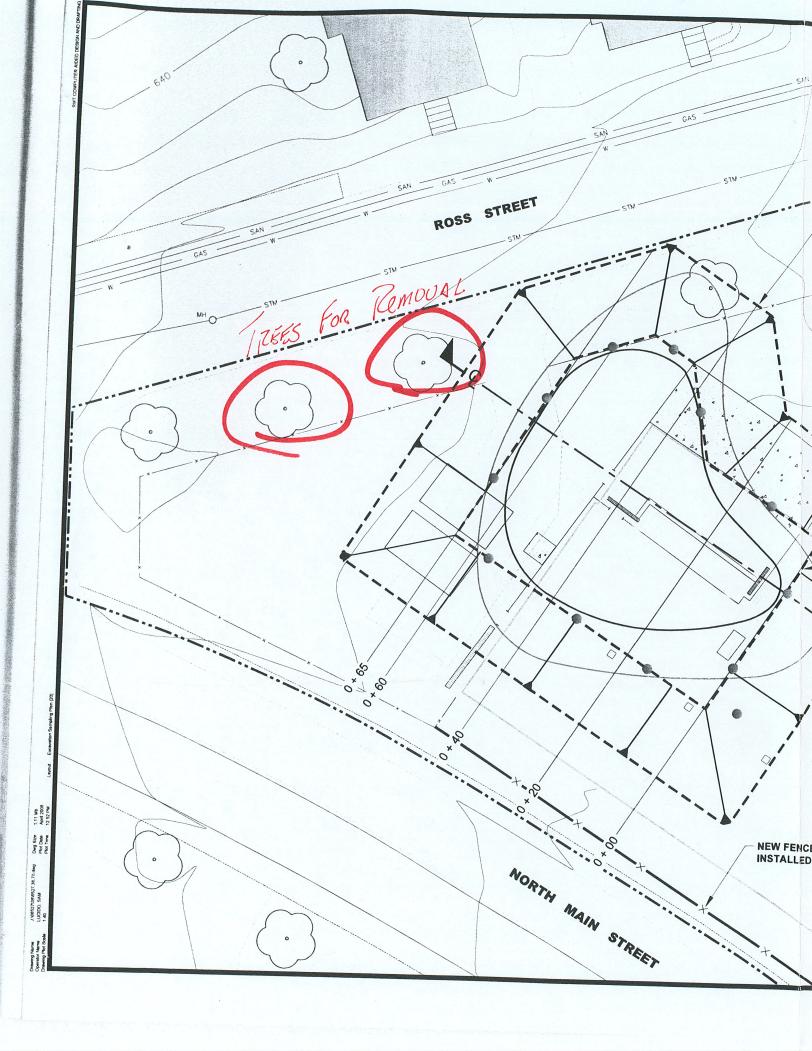
REFERRED TO ENVIRONMENTAL COMMISSION:

DETERMINATION: O.K. for removal

COMPUTER Pedro R. Moreno

Housing/Zoning Official

Date: 1/11/2010



Health and Safety Plan

USEPA ID No. NJD002168748

Dayco Corporation /L.E. Carpenter & Company Superfund Site

Wharton, New Jersey

April 2004
Revised September 2009

Health and Safety Plan

USEPA ID No. NJD002168748

Dayco Corporation /L.E. Carpenter & Company Superfund Site Wharton, New Jersey

April 2004 Revised September 2009

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		2.2.2	Vinyl Manufacturing			
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Scope and Applicability

This Health and Safety Plan (HSP) has been developed for the Remedial Action Work Plan (RA Work Plan), and subsequent addendums at the Dayco Corporation/L.E. Carpenter & Company Superfund Site (herein "the site"), located in Wharton, New Jersey. The intent of this plan is to establish appropriate health and safety procedures to be followed by RMT, Inc. (RMT) site personnel during site excavation, grading and other remedial action and investigative activities. This plan will be furnished to contractors who must work on-site as information to assist them in developing their own health and safety plan for site work. RMT assumes no liability for the implementation of this plan by subcontractors or other contractors. This plan has been developed specifically for RMT personnel and their work activities at the site.

Section 1 Coordination and Responsibility

The following Health and Safety Plan (HSP) has been prepared for the Remedial Action Work Plan (RA Work Plan) and subsequent addendums to be performed at the site. This plan is intended to provide a framework for the safe conduct by RMT personnel of the field activities at the site. As such, the plan provides procedures aimed at reducing the potential for accidents from physical hazards, and the potential for exposure to chemical contaminants that may be present in the soil, groundwater, and air.

The Project Manager will not allow work to begin at the site until this HSP has been provided to all RMT field personnel who will be working at the site. Before visiting the work site, personnel must attend a briefing session, to be conducted by the Health and Safety Coordinator (HSC) or a designee, on the potential site hazards and specific requirements of this HSP, including training in the proper function and operations of air monitoring and personal protective equipment. The designated site Health and Safety Representative (HSR) will be the senior field representative continually on site during any site activity and will be responsible for implementing the site-specific HSP during field operations. If there is any question whether an unplanned occurrence on site may compromise health and safety, the HSR has the authority to interrupt operations and to remove all personnel from the area. If work is stopped due to any health and safety concern, immediate attention should be given by health and safety personnel, working in cooperation with the Project Manager, to identify and correct the cause of concern as quickly as possible. Any such incident will be fully documented by the HSR in a report to the HSC and Project Manager. In the event of a work stoppage, the client must be notified as soon as possible, and kept apprised of progress in resolving the incident until normal operations are resumed.

For this, and subsequent, investigation(s), the following organization and responsibilities have been established:

Project Manager/Project Coordinator: Will be responsible for overall project completion

<u>Construction Manager</u>: Will be responsible for matters relating to the completion of site work.

<u>Technical Coordinator:</u> Will coordinate the proper handling and shipping of samples and the related documentation.

Health and Safety Coordinator (HSC): Will be responsible for:

- Having a sound working knowledge of state and federal occupational health and safety regulations;
- Overseeing the implementation of the Health and Safety Program; and
- Informing RMT personnel of the guidelines set forth in the HSP, including the inherent risks of chemical exposure associated the scope of work, and in the use of advanced safety equipment and protective clothing designed to protect against chemical exposure.

<u>Site Health and Safety Representative (HSR):</u> The on-site person appointed by the Project Manager and having:

- Responsibility for the field implementation, evaluation, and any necessary field modifications of this HSP; and
- Authority to suspend work at the site due to non-conformance to, or problems with, the HSP.

The HSR will be responsible for responding to any emergencies following notification or identification of emergency situations. The HSR will:

- Notify appropriate individuals and/or health care facilities of an emergency. Table 7 is a list of emergency telephone numbers that will be posted in the support trailer, in RMT field vehicles, and at the specific site locations as determined by the HSR.
- Maintain appropriate safety equipment at the site: PPE, eyewash station, first aid supplies, potable water supply, and fire extinguishers.
- Have a working knowledge of safety and fire-fighting equipment that is available at the site.
- Keep a map prominently posted at the field office facilities that details the most direct route to the nearest hospital.

The Construction Manager may also serve as the HSR.

Section 2 Site Description

2.1 Introduction

The site is located at 170 North Main Street, Borough of Wharton, Morris County, New Jersey (Figure 1). The site comprises Block 301, Lot 1 and Block 801, Lot 3 on the tax map of the Borough of Wharton, and occupies 14.6 acres of vacant land in a mixed-use industrial, commercial, and residential area. The site is bordered to the south by the Rockaway River; by a vacant lot (Wharton Enterprises) to the east-southeast; and by a former compressed gas facility (Air Products) to the northeast. A residential/commercial area borders the site to the northwest (Ross Street) and North Main Street borders the site to the west. A drainage ditch is located between the Air Products property and the site. A pedestrian foot trail (rails-to-trails area), constructed along the former railroad right-of-way, bisects the site from north to south. During active LEC operations, the site consisted of several buildings and structures, some of which were partially demolished during the early 1990's as part of site decommissioning activities. Buildings 8, 9, 15, 16 and 17 located to the west of the rails-to-trails area remain. Figure 2 is a map of the general site plan that depicts individual buildings present at the site and other pertinent site features.

2.2 Site Operational History

As outlined below, historical site operations have been subdivided into two categories (1) mining and forging, and (2) vinyl manufacturing.

2.2.1 Mining and Forging Operations

Morris County and the Wharton area has been an iron-mining district since the early 1700's. The earliest known use of the site was as an iron forge, termed the "Washington Forge." The Washington Forge was built in about 1795 and probably used iron ore from deposits in and around the Wharton area. Economically viable iron deposits were discovered at the site, subsequently site operations changed from forging to underground iron mining. According to a New Jersey Department of Labor publication (NJDOL, 1989), the Washington Forge Mine and West Mount Pleasant Mine are located "in the LEC lot." The NJDOL report states that the Washington Forge Mine opened in 1868 with the construction of two inclined shafts 20 feet apart on the grounds of the old forge.

The mine was worked until 1875 when it was closed because of the difficulty in handling groundwater seepage into the mine (Bayley, 1910). The mine reportedly opened again in 1879 after a drainage tunnel to the Orchard mine was completed. The Orchard mine was located south across the Rockaway River from the LEC site. The Washington Forge mine was permanently abandoned in 1881. The West Mt. Pleasant Mine connects with the Washington Forge Mine with an inclined access shaft located about 170 feet northeast of the southern-most Washington Forge mineshaft. The iron forge and mining history above shows that transportation of iron ores from various locations in Morris County onto the LEC property occurred over a period of at least 86 years (1795–1881).

2.2.2 Vinyl Manufacturing

The LEC facility was involved in the production of vinyl wall coverings from 1943 to 1987. The making of vinyl wall coverings involves several manufacturing processes that were carried out in the various buildings comprising the site. The first step in the process is referred to as lamination. Lamination involves the bonding of fabric to the vinyl film using a plastisol adhesive in conjunction with heat and pressure. The fabric/film laminate is then coated with a plastisol compound in order to texturize the material in preparation for printing. The printing process involves the application of decorative print patterns and/or protective topcoat finishes. When printing is completed, the product is inspected and packaged for shipment to the consumer.

The manufacturing process involved the generation of liquid waste solvents including xylene and methyl ethyl ketone, waste pigments, and the generation of condensate from fume condensers. Additionally, airborne particulate matter was collected via a dust collector. Non-contact cooling water was discharged into the Rockaway River under a New Jersey Pollution Discharge Elimination System Permit. From 1963 until 1970 LEC disposed of its wastes, including a polyvinyl chloride (PVC) waste material into an unlined on-site impoundment. The facility was originally heated by coal, and later converted to #6 fuel oil.

The active manufacturing of vinyl wall coverings ceased in 1987. Since that time the portion of the site east of the pedestrian trail (former railroad crossing) has been inactive except for remedial and monitoring activities. Access is currently restricted to the area east of the pedestrian trail by a locked gate and an 8-foot high chain-link fence. Some of the buildings west of the pedestrian trail have been subleased as commercial or retail space.

Figure 1 Site Location Map

Figure 2Site Plan

Section 3 **Project Description**

The RA Work Plan, and subsequent addendums, identifies site remediation and characterization activities designed to:

- Eliminate the direct contact exposure pathway for soils exceeding clean criteria for VOCs, SVOCS, lead, and PCBs at the site,
- Reduce the overall mass of soil contamination both in the MW19HS1 and MW-30
 Areas of Concern to enhance natural attenuation,
- Identify potential residual source area(s) of organic COCs that could results in discharges to the drainage ditch or the Rockaway River,
- Further characterize and delineate dissolved-phases organic COCs in groundwater in the vicinity of MW-30S,
- Characterize the rate and cause of concentration declines observed in most of the wells on the site.

These activities will be achieved through excavation, removal, and disposal of contaminated soils in addition to the collection of soil, groundwater, and sediment samples. Remediation will include the excavation and grading of contaminated soils identified in the RA Work Plan and the backfill of soils and a topsoil layer to support revegetation of the site.

Methods of operation for each task of the remediation project are discussed in detail in the RA Work Plan. During implementation of these tasks, it is required that all RMT field personnel adhere to the health and safety protocols as specified in the HSP. Additionally, they will maintain an awareness of health and safety issues and will perform work in a safe manner. This involves constant vigilance for unsafe or potentially hazardous conditions or practices and initiation of immediate corrective actions to avoid potentially dangerous conditions or practices.

Section 4 Hazard Assessment

4.1 Task Hazard Analysis

The following table identifies potential hazards that may be encountered during remedial activities and preventative measures to assure site safety.

Table 1
Task Hazard Analysis

FIELD TASK	POTENTIAL HAZARDS	PREVENTATIVE MEASURES
Site Property Line Survey	Heat/Cold stress due to potential hot/cold weather during field activities. Exposure to lead if conditions are dusty.	Heat/Cold stress will be avoided by following procedures outlined in Section 4.3.3-4.3.4. If conditions warrant, apply water to work areas to prevent dust.
Field Screening for Contaminates Confirmatory Sampling	Increased sound levels and physical hazards due to heavy machinery and/or motor vehicles. Heat/Cold stress due to potential hot/cold weather during field activities. Inhalation, ingestion, and/or absorption of contaminants.	Hearing protection will be worn as indicated in Section 4.3.1. Heat/Cold stress will be avoided by following procedures outlined in Section 4.3.3-4.3.4. Field personnel will remain upwind of excavation activities whenever possible. Level D PPE with nitrile gloves will be worn by screening personnel unless it is shown that contaminants are sustained above the action level (as established in Section 5), PPE will be upgraded to Level C.
Installation of Sediment Control Measures	Heat/Cold stress due to potential hot/cold weather during field activities.	Heat/Cold stress will be avoided by following procedures outlined in Section 4.3.3-4.3.4.

Table 1
Task Hazard Analysis

FIELD TASK	POTENTIAL HAZARDS	PREVENTATIVE MEASURES
	Inhalation, ingestion, and/or absorption of contaminants.	Safe work practice as described in Section 4.3.1.
		Wear appropriate PPE.
Excavation and Grading Near River	Increased sound levels and physical hazards due to heavy machinery and/or motor vehicles. Heat/Cold stress due to potential hot/cold weather during field activities. Inhalation, ingestion, and/or absorption of contaminants. Work adjacent to river.	Hearing protection will be worn as indicated in Section 4.3.1. Heat/Cold stress will be avoided by following procedures outlined in Section 4.3.3-4.3.4. The work area will be wetted down should dust levels exceed the action level (as established in Section 5). Dust levels to include particulates not otherwise regulated (PNOR), lead and PCB. Adequate distance from the river will be maintained during all tasks. Rescue equipment (flotation devices) will be readily available during any activities adjacent to the river. A cellular phone will be carried at all times by a land-based observer. Safe work practice as described in
General Excavation	Increased sound levels and physical hazards due to heavy machinery and/or motor vehicles. Heat/Cold stress due to potential	Section 4.3.1. Hearing protection will be worn as indicated in Section 4.3.1. Heat/Cold stress will be avoided by following procedures outlined
	hot/cold weather during field	in Section 4.3.3-4.3.4.

Table 1
Task Hazard Analysis

FIELD TASK	POTENTIAL HAZARDS	PREVENTATIVE MEASURES
	activities. Inhalation, ingestion, and/or absorption of contaminants.	The work area will be wetted down should dust levels exceed the action level (as established in Section 5). Dust levels to include particulates not otherwise regulated (PNOR), lead and PCB. Safe work practice as described in Section 4.3.1.
On-site and Off-site Traffic Control	Heat/Cold stress due to potential hot/cold weather during field activities. Vehicular Traffic Inhalation, ingestion, and/or absorption of contaminants.	Heat/Cold stress will be avoided by following procedures outlined in Section 4.3.3-4.3.4. Maintain visual contact with vehicle operators. Prevent the tracking of site soils onto the roadways by cleaning vehicles before exit from CRZ. Wet sweep and return to site any tracks soils or debris.
Abandonment and/or Installation of Monitoring Wells	Heat/Cold stress due to potential hot/cold weather during field activities. Increased sound levels and physical hazards due to heavy machinery and/or motor vehicles.	Heat/Cold stress will be avoided by following procedures outlined in Section 4.3.3-4.3.4. Safe work practice as described in Section 4.3.1. Hearing protection will be worn as indicated in Section 4.3.1
Installation of Air Sparge System	Heat/Cold stress due to potential hot/cold weather during field activities.	Heat/Cold stress will be avoided by following procedures outlined in Section 4.3.3-4.3.4. Safe work practice as described in

Table 1
Task Hazard Analysis

FIELD TASK	POTENTIAL HAZARDS	PREVENTATIVE MEASURES
		Section 4.3.1.
Sediment Sampling in Ditch and/or River	Heat/Cold stress due to potential hot/cold weather during field activities.	Heat/Cold stress will be avoided by following procedures outlined in Section 4.3.3-4.3.4.
	Inhalation, ingestion, and/or absorption of contaminants.	Safe work practice as described in Section 4.3.1.
	Work adjacent to river and/or water filled ditch.	Use the buddy system. Sampling performed with two personnel.
Repair and Installation of Fencing	Heat/Cold stress due to potential hot/cold weather during field activities.	Heat/Cold stress will be avoided by following procedures outlined in Section 4.3.3-4.3.4.
		Safe work practice as described in Section 4.3.1.

4.2 Chemical Hazards

A review of the site history (Section 2) and sample analytical data indicates that no conditions immediately dangerous to life or health (IDLH) have been identified or exist on the site. The contamination on the site was detected in on-site soil. There is no known contamination off site. The primary soil contaminants detected were:

- Toluene (National Institute of Occupational Safety and Health (NIOSH) recommended TWA 100 ppm),
- Xylenes (NIOSH TWA 100 ppm),
- Ethyl benzene (NIOSH TWA 100 ppm),
- Lead (NIOSH TWA 0.05 mg/m3),
- Bis-(2-ethylhexyl)phthalate (DEHP) a.k.a. Di-sec octyl phthalate (NIOSH TWA .5 mg/m3), and
- Polychlorinated biphenyl (PCB) a.k.a. Chlorodiphenyl (NIOSH TWA .001 mg/m3).

The highest concentration of lead detected in soil on site is 7,500 ppm, 123 ppm for toluene, and 45 ppm for PCBs. NIOSH assigns an IDLH concentration of 100 mg/m³ to lead and 5 mg/m³ to PCBs. The OSHA PEL is 0.05 mg/m³ for lead and 0.5 mg/m³ for PCBs. The OSHA PEL for

PNOR is 15 mg/m³. Chemical properties and other information concerning lead, PCBs, and particulate matter are provided in **Tables 2**, **3**, **and 4** respectively.

The primary potential routes of exposure are:

- Inhalation of airborne dust containing contaminants.
- Skin absorption through contact with contaminants.
- Ingestion by accidentally transmitting contaminants to the mouth after skin contact with contaminated solids and liquids, or by inhalation of airborne particulates.

Lead, PCB, and particulate matter concentrations are anticipated to be well below the PEL in the breathing zone. A pilot excavation during the first quarter of 2004 was conducted. The results of this testing is included as Table 3 of the RA Work Plan. Air monitoring will be performed to confirm that VOCs PNOR, lead and PCB are below their respective action levels (as established in Section 5). Should dust levels be above the most conservative action level (as established in Section 5), dust control measures such as misting or spraying with water will be employed. Lead and PCBs can also be absorbed through the skin; therefore dermal exposure to contaminated soils and water will be minimized by standing upwind and wearing Level D personnel protective equipment during field activities. The Site Health and Safety Representative will determine an upgrade in the level of protection.

Table 2 Chemical Properties of Lead NIOSH Pocket Guide to Chemical Hazards

Lead							CAS 7439-92-1
Pb							RTECS <u>OF7525000</u>
Synonyms & Trade Names Lead metal, Plumbum						DOT ID & Guide	
Exposure			NIOSH REL*: TWA 0.050 mg/m³ See Appendix C [*Note: The REL also applies to other lead compounds (as Pb) see Appendix C.]				
Limits		OSHA PEL*: [1910 lead compounds (a				oendix C [*Note: The	PEL also applies to other
IDLH 100 mg/m³ (as Pb) S	See: <u>74</u>	3992 <u>1</u>			Conversion	l	
Physical Description A	heavy,	ductile, soft, gray so	lid.				
MW: 207.2	BP: 31	164°F	MLT: 621 °F			Sol: Insoluble	
VP: 0 mmHg (approx)	IP: NA	1				Sp.Gr: 11.34	
FI.P: NA	UEL: I	NA	LEL: NA				
Noncombustible Solid in b	ulk forn	n.			<u> </u>	'	
Incompatibilities & Reac Strong oxidizers, hydrogen							
Measurement Methods NIOSH 7082, 7105, 7300, 7700, 7701, 7702, 9100, 9105; OSHA ID121, ID125G, ID206 See: NMAM or OSHA Methods							
Personal Protection & Sanitation Skin: Prevent skin contact Eyes: Prevent eye contact Wash skin: Daily Remove: When wet or contaminated Change: Daily			Eye: I Skin: Breat	Aid (See proc rrigate immed Soap flush pro ning: Respirat ow: Medical a	liately omptly		

Important additional information about respirator selection

Respirator Recommendations NIOSH/OSHA

Up to 0.5 mg/m³: (APF = 10) Any air-purifying respirator with a high-efficiency particulate filter/(APF = 10) Any supplied-air respirator **Up to 1.25 mg/m³**: (APF = 25) Any supplied-air respirator operated in a continuous-flow mode/(APF = 25) Any powered, air-purifying respirator with a high-efficiency particulate filter

Up to 2.5 mg/m³: (APF = 50) Any air-purifying, full-facepiece respirator with a high-efficiency particulate filter/(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode/(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and a high-efficiency particulate filter/(APF = 50) Any self-contained breathing apparatus with a full facepiece/(APF = 50) Any supplied-air respirator with a full facepiece

Up to 50 mg/m³: (APF = 1000) Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode **Up to 100 mg/m**³: (APF = 2000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

Emergency or planned entry into unknown concentrations or IDLH conditions: (APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode/(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape: (APF = 50) Any air-purifying, full-facepiece respirator with a high-efficiency particulate filter/Any appropriate escape-type, self-contained breathing apparatus

Exposure Routes inhalation, ingestion, skin and/or eye contact

Symptoms Lassitude (weakness, exhaustion), insomnia; facial pallor; anorexia, weight loss, malnutrition; constipation, abdominal pain, colic; anemia; gingival lead line; tremor; paralysis wrist, ankles; encephalopathy; kidney disease; irritation eyes; hypotension

Target Organs Eyes, gastrointestinal tract, central nervous system, kidneys, blood, gingival tissue

See also: INTRODUCTION See ICSC CARD: 0052 See MEDICAL TESTS: 0127

Table 3 Chemical Properties of PCBs NIOSH Pocket Guide to Chemical Hazards

Ciliorodipitelly	l (42% chlorine)		CAS 53469-21-9	
C6H4ClC6H3Cl2 (approx)	RTECS TQ1356000			
Synonyms & Trade Names Aroclor® 1242, PCB, Polychlorinated biphenyl			DOT ID & Guide 2315 <u>171</u>	
Exposure	NIOSH REL*: Ca TWA PCBs.]	NIOSH REL*: Ca TWA 0.001 mg/m ³ See Appendix A [*Not PCBs.]		
Limits	OSHA PEL: TWA 1 mg	OSHA PEL: TWA 1 mg/m³ [skin]		
IDLH Ca [5 mg/m³] See:	53469219	Conversion		
Physical Description Colorless to light-colored	d, viscous liquid with a mild,	hydrocarbon odor.		
MW: 258 (approx)	BP: 617-691°F	FRZ: -2°F	Sol: Insoluble	
VP: 0.001 mmHg	IP: ?		Sp.Gr(77°F): 1.39	
Fl.P: NA	UEL: NA	LEL: NA		
dibenzofurans & chlorin. Incompatibilities & Rea Strong oxidizers				
Measurement Methods NIOSH <u>5503</u> ; OSHA <u>PV2</u> See: <u>NMAM</u> or <u>OSHA M</u>				
NIOSH <u>5503</u> ; OSHA <u>PV2</u>	anitation ct tt minated ontaminated	First Aid (See proc Eye: Irrigate imme Skin: Soap wash in Breathing: Respira Swallow: Medical i	diately nmediately	
NIOSH 5503; OSHA PV2 See: NMAM or OSHA M Personal Protection & S. Skin: Prevent skin contact Eyes: Prevent eye contact Wash skin: When contain Remove: When wet or co Change: Daily Provide: Eyewash, Quick Important additional info Respirator Recommenda At concentrations above self-contained breathing mode/(APF = 10,000) Any positive-pressure mode in Escape: (APF = 50) Any a	anitation ct tt minated ontaminated k drench ormation about respirator se ations NIOSH the NIOSH REL, or where apparatus that has a full face y supplied-air respirator that in combination with an auxil air-purifying, full-facepiece r	Eye: Irrigate imme Skin: Soap wash in Breathing: Respira Swallow: Medical a lection there is no REL, at any detect epiece and is operated in a protect that a full facepiece and is opiary self-contained positive-pespirator (gas mask) with a checken and the self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken and is opiary self-contained positive-pespirator (gas mask) with a checken an	diately nmediately tory support attention immediately table concentration: (APF = 10,000) Any essure-demand or other positive-pressu erated in a pressure-demand or other	
NIOSH 5503; OSHA PV2 See: NMAM or OSHA M Personal Protection & S. Skin: Prevent skin contact Eyes: Prevent eye contact Wash skin: When contant Remove: When wet or co Change: Daily Provide: Eyewash, Quich Important additional info Respirator Recommenda At concentrations above self-contained breathing mode/(APF = 10,000) An positive-pressure mode i Escape: (APF = 50) Any a vapor canister having a lease.	anitation ct tt minated ontaminated k drench ormation about respirator se ations NIOSH the NIOSH REL, or where apparatus that has a full face y supplied-air respirator that in combination with an auxil air-purifying, full-facepiece r	Eye: Irrigate imme Skin: Soap wash in Breathing: Respira Swallow: Medical a Swallow: Medical a state of the s	diately neediately tory support attention immediately table concentration: (APF = 10,000) Any essure-demand or other positive-pressu erated in a pressure-demand or other ressure breathing apparatus nin-style, front- or back-mounted organ	

See also: <u>INTRODUCTION</u> See MEDICAL TESTS: <u>0175</u>

Cancer Site [in animals: tumors of the pituitary gland & liver, leukemia]

Table 3 (continued) Chemical Properties of PCBs

NIOSH Pocket Guide to Chemical Hazards

Chlorodiphenyl (54% chlorine)			CAS 11097-69-1	
C ₆ H ₃ Cl ₂ C ₆ H ₂ Cl ₃ (approx)			RTECS TQ1360000	
Synonyms & Trade Names Aroclor® 1254, PCB, Polychlor	rinated biphenyl		DOT ID & Guide 2315 <u>171</u>	
Exposure	NIOSH REL*: Ca TWA 0.001 mg/m³ See Appendix A [*Note: The REL also applies to			
Limits	OSHA PEL: TWA 0.5 mg/m³ [skin]		
IDLH Ca [5 mg/m³] See: IDLH	<u>INDEX</u>	Conversion		
Physical Description Colorless to pale-yellow, viscon	us liquid or solid (below 50°F)	with a mild, hydrocarbon odor.		
MW: 326 (approx)	BP: 689-734°F	FRZ: 50°F	Sol: Insoluble	
VP: 0.00006 mmHg	IP: ?		Sp.Gr(77°F): 1.38	
FI.P: NA	UEL: NA	LEL: NA		
Nonflammable Liquid, but expodibenzofurans, and chlorinated		mation of a black soot containing PC	Bs, polychlorinated	
Incompatibilities & Reactiviti Strong oxidizers	es			
Measurement Methods NIOSH 5503; OSHA PV2088 See: NMAM or OSHA Methods	<u> </u>			
Personal Protection & Sanitation Skin: Prevent skin contact Eyes: Prevent eye contact Wash skin: When contaminated Remove: When wet or contaminated Change: Daily Provide: Eyewash, Quick drench First Aid (See procedures) Eye: Irrigate immediately Skin: Soap wash immediately Breathing: Respiratory support Swallow: Medical attention immediately				
Important additional information about respirator selection Respirator Recommendations NIOSH At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration: (APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode/(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus Escape: (APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having a high-efficiency particulate filter/Any appropriate escape-type, self-contained breathing apparatus				
Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact				
Symptoms Irritation eyes, chloracne; liver damage; reproductive effects; [potential occupational carcinogen]				
Target Organs Skin, eyes, liver, reproductive system				
Cancer Site [in animals: tumors of the pituitary gland & liver, leukemia]				
See also: <u>INTRODUCTION</u> See ICSC CARD: <u>0939</u> See MEDICAL TESTS: <u>0176</u>				

Table 4 Appendix D Substances with No Established RELs

After reviewing available published literature, NIOSH provided comments to OSHA on August 1, 1988, regarding the "Proposed Rule on Air Contaminants" (29 CFR 1910, Docket No. H-020).

In these comments, NIOSH questioned whether the PELs proposed (and listed below) for the following substances included in the Pocket Guide were adequate to protect workers from recognized health hazards:

- acetylene tetrabromide [TWA 1 ppm]
- chlorobenzene [TWA 75 ppm]
- coal dust (<5%SiO₂) [2 mg/m³ (as the respirable dust fraction)], coal dust (>/= 5% SiO₂) [0.1 mg/m³ (as the respirable quartz fraction)]
- ethyl bromide [TWA 200 ppm; STEL 250 ppm]
- ethylene glycol [Ceiling 50 ppm]
- ethyl ether [TWA 400 ppm; STEL 500 ppm]
- fenthion [TWA 0.2 mg/m³ (skin)]
- furfural [TWA 2 ppm (skin)]
- 2-isopropoxyethanol [TWA 25 ppm]
- isopropyl acetate [TWA 250 ppm; STEL 310 ppm]
- isopropylamine [TWA 5 ppm; STEL 10 ppm]
- manganese tetroxide (as Mn) [TWA 1 mg/m³]
- molybdenum (soluble compounds as Mo) [TWA 5 mg/m³]
- nitromethane [TWA 100 ppm]
- m-toluidine [TWA 2 ppm (skin)]
- triethylamine [TWA 10 ppm; STEL 15 ppm]

At that time, NIOSH also conducted a limited evaluation of the literature and concluded that the documentation cited by OSHA was inadequate to support the proposed PEL (as an 8-hour TWA) of 10 mg/m³ for alpha-alumina, benomyl, emery, glycerine (mist), graphite (synthetic), magnesium oxide fume, molybdenum (insoluble compounds as Mo), particulates not otherwise regulated, picloram, and rouge.

4.3 Physical Hazards

Physical and biological hazards may also pose a risk to site personnel. Construction equipment and utility hazards encountered during remedial activities excavation must be considered. Heat stress, cold stress, insects, and snakebites, are also hazards with potential for immediate acute effects to personnel. Appropriate work practices and protective measures are addressed in this plan.

4.3.1 Construction Safety

The following jobsite safety practices have been condensed from the OSHA Safety and Health Standards Digest - Construction Industry and are to be followed as a minimum by personnel working at the site.

General Requirements

- a. Each employer will initiate and maintain programs to provide for frequent and regular inspections of the job site, materials, and equipment.
- b. Each employer will instruct their employees in the recognition and avoidance of unsafe conditions and in the regulations applicable to their work environment to control or eliminate hazards or other exposure to illness or injury.
- c. The use of any machinery, tool, material, or equipment that is not in compliance with the applicable requirements is prohibited.

Hand Tools

- a. Employers shall not issue or permit the use of unsafe hand tools.
- b. Wrenches shall not be used when jaws are sprung to the point that slippage occurs. Impact tools shall be kept free of mushroomed heads. The wooden handles of tools shall be kept free of splinters or cracks and shall be kept tight in the tool.
- c. Electric power operated tools will either be approved double insulated, properly grounded, or used with ground fault circuit interrupters.

Hazard Communication

- a. The purpose of the hazard communication standard is to ensure that the hazards of all chemicals produced or imported are evaluated, and that information concerning their hazards is transmitted to employers and employees. Transmitting information is accomplished by means of comprehensive hazard communication programs, which include container labeling and other forms of warning, material safety data sheets and employee training.
- b. Employers will develop, implement and maintain a written hazard communication program for their workplaces. Employers will inform their employees of the

- availability of the program, including the required list(s) of hazardous chemicals, and material safety data sheets required.
- c. The employer will ensure that each container of hazardous chemicals in the workplace is labeled, tagged or marked with the identity of the hazardous chemical(s) and will show hazard warnings appropriate for employee protection.
- d. Chemical manufacturers and importers shall obtain or develop a material safety data sheet for each hazardous chemical they produce or import. Employers shall have a material safety data sheet for each hazardous chemical that they use.
- e. Employers will provide employees with information and training on hazardous chemicals in their work area at the time of their initial assignment, and whenever a new hazard is introduced into their work area. Employers will also provide employees with information on any operations in their work area where hazardous chemicals are present; and the location and availability of the written hazard communication program, including the required list(s) of hazardous chemicals, and material safety data sheets required by the standard.

Head Protection

- a. Hard hats will be worn in areas where there is a possible danger of head injuries from impact, flying or falling objects, or electrical shock and burns.
- b. Hard hats for protection against impact and penetration of falling and flying objects shall meet the requirements of ANSI Z89.1-1969.
- c. Hard hats for protection against electrical shocks and burns shall meet the requirements of ANSI Z89.2-1971.

Hearing Protection

- a. Feasible engineering or administrative controls will be used to protect employees against sound levels in excess of those shown in the following table.
- b. When no sound level-measuring device is available, hearing protection will be used once the noise level reaches a point where field personnel must raise their voice to be heard.
- c. When engineering or administrative controls fail to reduce sound levels within the limits, hearing protection will be provided and used.
- Exposure to impulse or impact noise should not exceed 140 dB peak sound pressure level.
- e. In cases where the sound levels exceed the limits, a continuing, effective hearing conservation program will be administered.
- f. Permissible Noise Exposures

Table 5
Sound Levels

Duration per day in	Sound Level dBA
hours	slow response
12	87
11	88
10	88
9	89
8	90
6	92
4	95
3	97
2	100
1 1/2	102
1	105
1/2	110
1/4 or less	115

Washing Facilities

- a. Each employer will provide adequate washing facilities for employees engaged in operations involving harmful substances.
- b. Washing facilities will be near the worksite and be equipped to enable employees to remove harmful substances.

Drinking Water

- a. An adequate supply of potable water will be provided in places of employment.
- b. Potable drinking water containers will be capable of being tightly closed and be equipped with a tap.
- c. A common drinking cup is prohibited.
- d. Drinking within vehicles within the Exclusion Zone or Contamination Reduction Zone is prohibited. Regular breaks will be given for drinking and eating. All personnel must wash and rinse hands and face before drinking or eating.

Housekeeping

- a. Form and scrap lumber with protruding nails and other debris will be kept clear from the work areas.
- b. Combustible scrap and debris will be removed at regular intervals.

- c. Containers will be provided for collection and separation of refuse. Covers will be provided on containers used for flammable or harmful substances.
- d. General waste will be disposed at regular intervals.

Respiratory Protection

- a. In emergencies, or when feasible engineering or administrative controls are not effective in controlling toxic substances, appropriate respiratory protective equipment will be provided by the employer and will be used.
- b. The Mine Safety and Health Administrative/ National Institute will approve respirators for Occupational Safety and Health or acceptable to the US Department of Labor for the specific contaminant to which the employee is exposed.
- c. Respirators will be appropriate for the hazardous material involved and the extent and nature of the work requirements and conditions.
- d. Employees required to use respirators will be thoroughly trained in use and shall have certification of a current fit test and current respiratory test.
- e. Respirators will be inspected regularly and maintained in good condition.

Eye and Face Protection

- a. Eye and face protection will be provided when machines or operations present potential eye or face injury.
- b. Eye and face protective equipment will meet the requirements of ANSI Z87.1-1968, "Practice for Occupational and Educational Eye and Face Protection."
- c. Employees involved in welding operations will be furnished with filter lenses or plates of at least the proper shade number.

Fire Protection

- a. A fire-fighting program is to be followed throughout all phases of the construction work involved. It will provide for effective fire-fighting equipment to be available without delay, and designed to effectively meet fire hazards as they occur.
- b. Fire-fighting equipment will be conspicuously located and readily accessible at all times, periodically inspected, and maintained in operating condition. Each vehicle and piece of heavy equipment must have an accessible fire extinguisher.
- c. Carbon tetrachloride and other toxic vaporizing liquid fire extinguishers are prohibited.

Medical Services and First Aid

a. Each employer will ensure the availability of medical personnel for advice and consultation on matters of occupational health.

- b. A person trained to render first aid will be available at the worksite.
- c. First aid supplies recommended by OSHA will be readily available. The kit shall be inspected monthly and refilled as needed.
- d. The telephone numbers of the physicians, hospitals, or ambulances will be conspicuously posted.

Flaggers and Traffic Warning

- a. When working in the right-of-way of public roads, the Contractor will provide and use signs in accordance with requirements with the Manual on Uniform Traffic Control Devices.
- b. When signs, signals, and barricades do not provide necessary protection on or adjacent to a highway or street, the Contractor will provide flaggers or other appropriate traffic controls.
- c. Flaggers will wear a red or orange warning garment while flagging. Warning garments worn at a night will be of reflectorized material.

Flammable and Combustible Liquids

- a. Only approved containers and portable tanks will be used for storage and handling of flammable and combustible liquids.
- b. No more than 25 gallons of flammable or combustible liquids will be stored in a room outside of an approved storage cabinet. No more than 60 gallons of flammable or 120 gallons of combustible liquids will be stored in any one storage cabinet. No more than three storage cabinets will be located in a single storage area.
- c. Inside storage rooms for flammable and combustible liquids will be constructed of fire-resistive construction, have self-closing fire doors at all openings, 4-inch sills or depressed floors, a ventilation system that provides at least six air changes within the room per hour, and electrical wiring and equipment approved for Class I, Division I locations.
- d. Storage in containers outside buildings will not exceed 1,100 gallons in any one area. The storage area will be graded to divert possible spills away from building or other exposures, or surrounded by a curb or dike. Storage areas will be located at least 20 feet from any building and free from weeds, debris, and other combustible materials not necessary to the storage.
- e. Flammable liquids will be kept in closed containers when not actually in use.
- f. The Contractor will post conspicuous and legible signs prohibiting smoking in service and refueling areas.

Motor Vehicles and Mechanized Equipment

- a. Vehicles in use will be checked at the beginning of each shift to assure that parts, equipment, and accessories that affect safe operation are in proper operating condition and free from defects. Defects will be corrected before the vehicle is placed in service.
- b. No employer may use any motor vehicle, earth-moving, or compacting equipment having an obstructed view to the rear unless:
 - The vehicle has a reverse signal alarm distinguishable from the surrounding noise level; or
 - The vehicle is backed up only when an observer signals that it is safe to do so.
- c. Heavy machinery, equipment, or parts which are suspended or held aloft will be substantially blocked to prevent falling or shifting before employees are permitted to work under or between them.

Rollover Protective Structures (ROPS)

a. Rollover protective structures (ROPS) applies to the following types of materials handling equipment: to all rubber-tired, self-propelled scrapers, rubber-tired frontend loaders, rubber-tired dozers, wheel-type agricultural and industrial tractors, crawler tractors, crawler-type loaders, and motor graders, with or without attachments, that are used in construction work, which were manufactured after July 1, 1969. This requirement does not apply to side-boom pipe laying tractors.

Mechanical Power Transmission

- a. Belts, gears, shafts, pulleys, sprockets, spindles, drums, flywheels, chains, or other reciprocating, rotating, or moving parts of equipment will be guarded if they are exposed to contact by employees or otherwise constitute a hazard.
- b. Guarding will meet the requirements of ANSI B15.1-1953 (R 1958), "Safety Code for Mechanical Power Transmission Apparatus."

Electrical Installations

- a. Electrical installations made in accordance with the 1993 National Electric Code are considered to be in compliance with OSHA's electrical standards for construction, except for the following additional requirements:
 - Employers will provide either ground-fault circuit interrupters (GFCIs) or assured equipment grounding conductor program to protect employees from ground-fault hazards at construction sites. The two options are detailed below.
 - 1. All 120-volt, single-phase, 15-and 20-ampere receptacles that are not part of the permanent wiring must be protected by GFCIs. Receptacles on smaller generators are exempt under certain conditions.

- An assured equipment grounding program covering extension cords, receptacles and cord- and plug-connected equipment must be implemented. The program will include the following:
 - A written description of the program.
 - At least one competent person to implement the program.
 - Daily visual inspections of extension cords and cord- and plugconnected equipment for defects.
 - Continuity test of the equipment grounding conductors of receptacles, extension cords, and cord- and plug-connected equipment. These tests will generally be made every 3 months.
- b. Lamps for general illumination will be protected from breakage, and metal shell sockets will be grounded.
- c. Temporary lights will not be suspended by their cords, unless they are so designed.
- d. Portable lighting used in wet or conductive locations, such as tanks or boilers will be operated at no more than 12 volts or will be protected by GFCIs.
- e. Extension cords will be the three-wire type. Extension cords and flexible cords used with temporary and portable lights will be designed for hard or extra-hard usage (for example, types S, ST, and SO).

Electrical Work Practices

- a. Employers must not allow employees to work near live parts of electrical circuits, unless the employees are protected by one of the following means:
 - De-energizing and grounding the parts.
 - Guarding the part by insulation.
 - Other effective means.
- b. In work areas where the exact locations of underground electrical power lines is unknown, employees using jack hammers, bars, or other hand tools that may contact the lines must be protected by insulating gloves.
- c. Barriers or other means of guarding will be used to ensure that workspace for electrical equipment will not be used as a passageway during periods when energized parts of equipment are exposed.
- d. Worn or frayed electrical cords or cables cannot be used. Extension cords must not be fastened with staples, hung from nails, or suspended by wire.
- e. Equipment or circuits that are de-energized must be rendered inoperative and will have tags attached at all points where the equipment or circuits could be energized.

Excavating and Trenching

- a. Before opening any excavation, efforts will be made, including utility company contact, to determine if there are underground utilities installations in the area, and they shall be located and supported during the excavation operations.
- b. The walls and faces of trenches 5 feet or more deep and all excavations, in which employees are exposed to danger from moving ground or cave-in shall be guarded by a shoring system, sloping of the ground, or some other equivalent means.
- c. In excavations which employees may be required to enter, excavated or other material shall be effectively stored and retained at least 2 feet or more from the edge of the excavation.
- d. A competent person shall make daily inspections of excavations. If evidence of possible cave-ins or slides is apparent, all work in the excavation shall cease until the necessary precautions have been taken to safeguard the employees.
- e. Trenches 4 feet deep or more shall have an adequate means of exit such as ladders or steps, located so as to require no more than 25 feet of lateral travel.

4.3.2 Utilities

Buried utilities must be clearly identified and marked prior to commencement of remedial activities excavation.

Overhead utilities must have brush guards installed if they are within reach or swing of any piece of equipment. Power lines must be grounded dead if excavation is conducted in the area, subject to the following limitations:

- 15 feet radius for power lines up to 250,000 volts
- 20 feet radius for power lines up to 300,000 volts

Absolutely no work may be performed within 15 feet of overhead energized lines.

4.3.3 Heat Stress

The USEPA Standard Operating Safety Guides (USEPA, 1992) recommend that a heat stress monitoring program be implemented when employees are wearing impervious clothing and ambient temperatures are 70°F or above. The frequency of monitoring should increase as temperatures increase, and employees should be monitored after each work period when ambient temperatures exceed 85°F. Personnel shall use the following monitoring program recommended by the USEPA guide when ambient temperatures exceed 70°F:

Heart Rate (HR) shall be measured by the radial pulse for 30 seconds as early as possible in the resting period. The HR at the beginning of the rest period should not exceed 110 beats per minute. If the HR is higher, the next work period shall be shortened by

10 minutes, while the length of the rest period stays the same. If the pulse rate is 100 beats per minute at the beginning of the next rest period, the following work cycle shall be shortened by another 33 percent.

All personnel shall remain alert to the symptoms of heat stress. The general symptoms include the following:

- Heat Rash Decreased ability to tolerate heat, chafing clothes.
- <u>Heat Cramps</u> Muscle spasms and pain in the extremities and abdomen.
- Heat Exhaustion Shallow breathing; pale, cool, moist skin; profuse sweating; dizziness and lassitude.
- Heat Stroke Red, hot, dry skin; no perspiration; nausea; dizziness and confusion; strong rapid pulse; coma. <u>Immediate medical assistance must be obtained</u>.

Preventive measures for heat-stress shall include shaded rest areas and ample quantities of cool liquids for worker consumption.

4.3.4 Cold Stress

Persons working outdoors in low temperatures, especially at or below freezing, are subject to cold stress. Areas of the body that have a high surface area-to-volume ratio, such as fingers, toes, and ears, are the most susceptible to damage.

Protective clothing generally does not afford protection against cold stress. In many instances, it increases susceptibility due to a reduction in wind chill awareness and exposure to lower than perceived ambient temperatures.

Two factors influence the development of cold injury: ambient temperature and the velocity of the wind. Wind chill is used to describe the chilling effect of moving air in combination with low temperature. A copy of the wind-chill chart is included as Table 6.

Frostbite

Local injury resulting from cold is included in the generic term frostbite.

Symptoms:

The following symptoms are indicative of frostbite:

- Frost nip is characterized by sudden blanching or whitening of skin.
- Superficial frostbite is characterized by skin that has a waxy or white appearance and that is firm to the touch, but the tissue beneath is resilient.
- Deep frostbite is characterized by tissue that is cold, pale, and solid.

Treatment:

Bring the victim indoors, and warm the areas quickly in warm water. **Never** place frostbitten tissue in hot water because the area will have reduced heat awareness and such treatment may result in burns. Give the victim a warm drink. The victim must not smoke. Keep the frozen parts in warm water or covered with warm clothes for 30 minutes. The tissue will be very painful as it thaws. Then, elevate the injured area and protect it from physical injury. Do not allow blisters to be broken. Use sterile, soft, dry material to cover the injured areas.

Keep the victim warm and get immediate medical care.

DO NOT:

- Rub the frostbitten part (this may cause gangrene).
- Use ice, snow, gasoline, or anything cold on the frostbitten area.
- Use heat lamps or hot water bottles to warm the frostbitten area.
- Place frostbitten tissue near a hot stove.

Table 6
Wind-Chill Chart
Cooling Power of Wind on Exposed Flesh Expressed as Equivalent Temperature
(under calm conditions)*

	Actual Temperature Reading (°F)											
Estimated Wind	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60
Speed (in mph)		Equivalent Chill Temperature (°F)										
calm	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60
5	48	37	27	16	6	-5	-15	-26	-36	-47	-57	-68
10	40	28	16	4	-9	-24	-33	-46	-58	-70	-83	-95
15	36	22	9	-5	-18	-32	-45	-58	-72	-85	-99	-112
20	32	18	4	-10	-25	-39	-53	-67	-82	-96	-110	-121
25	30	16	0	-15	-29	-44	-59	-74	-88	-104	-118	-133
30	28	13	-2	-18	-33	-48	-63	-79	-94	-109	-125	-140
35	27	11	-4	-20	-35	-51	-67	-82	-98	-113	-129	-145
40	26	10	-6	-21	-37	-53	-69	-85	-100	-116	-132	-148
Wind speeds greater than 40 mph have little additional effect Maximum danger of false sense of security.			of	INCREASING DANGER Danger from freezing of exposed flesh within 1 minute. GREAT DANGER Flesh may freeze within 30 seconds.								
	Trenchfoot and immersion foot may occur at any point on this chart.											
	* Developed by US Army Research Institute of Environmental Medicine, Natick, MA.						ck, MA.					

Hypothermia

Systemic hypothermia is caused by exposure to freezing or rapidly dropping temperatures.

Symptoms:

Symptoms are usually exhibited in five stages:

- 1. Shivering
- 2. Apathy, listlessness, sleepiness, and (sometimes) rapid cooling of the body to less than 95°F
- 3. Unconsciousness, glassy stare, slow pulse, and slow respiratory rate
- 4. Freezing of the extremities
- 5. Death

Treatment:

Keep the victim warm and get immediate medical care.

Generally, field activities should be curtailed if equivalent chill temperature (°F) as defined in Table 6 is below zero (°F) unless the activity is of an emergency nature.

4.4 Biological Hazards

Many of the areas of the site are overgrown with dense underbrush. To access some of the existing monitoring wells and other areas of the site, these areas must be entered. There are several potential hazards that may be encountered. They include the following:

- Snakes Watch for signs of poisonous snakes on the site. In the event that poisonous snakes are observed, site personnel entering overgrown areas shall wear snake chaps or gaiters.
- *Ticks* It is anticipated that ticks will be a problem at this site. Tick repellent or other appropriate insect repellent will be used. Long sleeves are recommended. Check often for ticks and bites. If bitten, carefully remove tick with tweezers, making certain to remove pincers, and being careful not to crush or squeeze the tick while extracting, as this could infect the wound. After removing tick, wash hands immediately. Disinfect area and dress. If the tick resists extraction or cannot be completely removed, seek medical attention.
- Other Insects Stinging insects such as bees, fire ants, wasps, or yellow jackets are expected
 to be on-site. Personnel who may have allergic reactions if stung will keep a bee sting kit
 on-site.
- *Poisonous Plants* Poison ivy and poison oak may be present at the site. Personnel should avoid contact with these plants.

Section 5 Air Monitoring

Lead and PCBs are non-volatile constituents that have the potential to be inhaled as airborne dust. Airborne particulate concentrations in the breathing zone will be measured using an MIE, Inc., Miniram monitor during excavation activities. This field instrument that senses and measures dust concentrations in the range of 0.01 to 100 mg/m³. The Miniram displays the 10-second average concentration on a direct-read liquid crystal display. Measured results will be compared to action levels within this section based on real-time exposure calculations (RTEC) For the purpose of the calculated action limits, through the RTEC method, the more conservative exposure limit between an OSHA PEL, ACGIH TLV® or NIOSH REL will be utilized.

Lead analytical results at the site typically range between 0 ppm and 7,500 ppm. According to the attached RTEC for lead, the action level for an upgrade to Level C PPE or a stop work order will be at 3.3 mg/m³. This action level of 3.3 mg/m³ is a worst-case action level, based on the highest lead analytical result of 7,500 ppm obtained from the site. The particulate action level for PCBs, based on the RTEC method, is greater than 3.3 mg/m³, utilizing the maximum concentration found on site of 45 ppm and the NIOSH REL of 0.001 mg/m³. Based upon the RTEC of both lead and PCB, lead is the primary constituent of concern since it has the lower action level. Field personnel will remain upwind of field activities to the extent that it is possible. Level D PPE will be worn by field personnel. Should air monitoring show particulate levels to be sustained above the action level 3.3 mg/m³) established in this section, the personnel protective equipment will be upgraded to Level C, as defined in Section 6.

While in the exclusion zone, operators, laborers, and contract personnel will wear nuisance dust masks. If dust is present above 3.3 mg/m³ (the most conservative action level) above the background dust readings, work will cease and the work area will be wetted down. Work will be temporarily discontinued until dust is reduced to acceptable levels within the breathing zone. Should particulate levels above the action levels established in this section be a continual problem, the relevant field personnel will continue fieldwork in Level C PPE, as defined in Section 6.

A Miniram will be in use continuously on at least one piece of heavy machinery during all-invasive or dust producing activities. This instrument will be set to alarm when the action level (3.3 mg/m³) is reached and to log the reading at least every 15 minutes.

A second unit will be mobile and will be used to monitor the site at least twice per day and whenever conditions change. A change in conditions includes, but is not limited to:

- Different machinery or techniques being used.
- Different area being worked.
- A 10-degree rise or fall in temperature.
- The cloud cover moves from overcast to sunny or any other variation.
- Rain showers that soak the entire strata being worked do not require additional monitoring.

A photo ionization detector (PID) will be used to monitor for volatile organic compounds (VOCs). One detector will be placed to monitor the breathing zone of the worker most likely to be overexposed. This instrument should be paired with the Miniram monitor. The alarm for the PID should be set at 50 ppm (one half of the TWA). This signals the action level for considering movement to Level C or Level B PPE, as defined in Section 6.

Mobile sampling locations will be determined as follows:

- Determine the wind direction. A computer logging weather station will be used to assist the determining wind direction. A log of hourly weather observations will be kept via computer record.
- A reading of both the Miniram and the PID will be taken at the upwind side of the excavation. This will be used as a background reading.
- A reading will be taken at the property line upwind of the excavation. This will be used as a background reading.
- A reading will be taken approximately 200 feet downwind of the excavation.
- A reading will be taken downwind of the excavation at the property line.
- A reading will be taken approximately 45 degrees offset from each side of the downwind observation at the property line.

If readings indicate that the action level has been reached for a sustainable period of time (at least 15 minutes), a summa canister will be set at the property line downwind of the site activity. This canister will be then analyzed for VOCs of concern at the site. Suma canisters will also be used if the PID does not indicate readings near the action limit, but strong odors are detected at the property line.

An explosive meter will be used whenever an excavation is opened in a xylene-contaminated area. The drawtube will be equipped with a liquid filter and be placed near the liquid surface

terface. If the reading indicates 10% of the LEL for Xylene (corrected from the calivapor suppressant shall be employed.	bration gas),



Real – Time Exposure Calculation for Particulates

Site Name: L.E. Carpenter Prepared by: Karl De Looff

Location: Site Excavation Checked by:

Constituent: Lead

OSHA PEL or

NIOSH REL 0.05 mg/m³

(Whichever is LESS)

Safety Factor 2 Need approval from a Health and Safety Coordinator

To use a safety factor less than 2.

Maximum Concentration

Detected at site 7500 mg/kg

If SF is 2 than need to be less than .0250 mg/m³ Lead in air

Action Levels for Lead

3.3 mg particulates/m3 air above background: Lead

129330/7 = 18476



Real – Time Exposure Calculation for Particulates

Site Name: L.E. Carpenter Prepared by: Karl De Looff

Location: Site Excavation Checked by:

Constituent PCB

OSHA PEL or

NIOSH REL 0.001 mg/m³

(Whichever is LESS)

Safety Factor 2 Need approval from a Health and Safety Coordinator

to use a safety factor less than 2.

Maximum Concentration

Detected at site 45 mg/kg

If SF is 2 Then need to be less than 0.005 mg/m3 PCB in air.

Action Levels for PCB

11.1 mg particulars/m3 air above background: PCB

129330/7 = 18476

Section 6 Required Personal Protective Equipment (PPE)

All personnel shall be provided appropriate personal safety equipment and protective clothing. Each individual shall be properly trained in the use of this safety equipment before the start of field activities. Safety equipment and protective clothing shall be used as specified in this Health and Safety Plan. All such equipment and clothing shall be cleaned and shall be maintained in proper condition by project personnel. Disposable equipment and clothing shall be drummed and properly disposed of off-site. Levels of personal protection and the selection of criteria pertinent to field activities at the site are detailed below.

6.1 Levels of Protection for Work Activities

In general, protective clothing must be worn whenever the potential exists for employees to come in contact with, or to be exposed to, contaminated materials. All respiratory protective equipment used will be approved by NIOSH/MSHA.

Work activities will be conducted under Level D or Level C protection based on the most current information available on potential health and safety hazards on the site. If Level B or Level A protection is deemed necessary, modifications of the Work Plan and an extension of the fieldwork schedule may be required.

6.1.1 Level D Protection

Based on an evaluation of the data and information available to date, field personnel will be adequately protected from potential health hazards present using Level D protection. Hence, general fieldwork will be conducted under Level D requirements unless the air sampling results indicate that airborne metal or particulate concentrations are consistently exceeding the PEL in employees' breathing zones.

For tasks that involve little or no potential contact with contaminants, Level D protection will apply. Level D protection for these tasks will consist of the following:

- 1. Work clothes (under no circumstances will shorts, muscle shirts, or going without a shirt be permitted during any type of remedial activities).
- 2. Leather steel-toed work boots (no sneakers).
- 3. Nitrile gloves (required when handling contaminated soils).
- 4. Hard hat (if overhead hazard present).

5. Options as required:

- Professionally laundered cotton work uniforms or coveralls. The laundry must be notified of the potential contaminates, their levels, and accept the soiled uniforms in writing.
- Disposable outer boots or rubber steel-toed boots
- Hearing protection
- Face shield
- Tyvek coveralls
- Dust mask (in exclusion zone and where needed)

6.1.2 Level C Protection

If particulate levels exceeds 3.3 mg/m³ in the breathing zone and cannot be controlled by wetting down the area, Level C protection will be required. If VOC levels increase above 50 ppm (half of the PEL for all three VOC constituents on site) and are below 250 ppm (50% of IDLH). Level C requirements include the protective clothing and equipment specified for the various categories of tasks listed under Level D protection plus air-purifying respirators. Each person required to use a respirator must be issued the type and size of respirator as determined by that person's fit test. An air-purifying respirator equipped with appropriate canisters or cartridges (all personnel requiring respiratory protection will be fit tested with the type of respirator to be used in the field).

6.1.3 Level B Protection

If the VOC levels increase above 250 ppm. Level B requirements include the protective clothing and equipment specified for the various categories of tasks listed under Level B protection plus positive pressure supplied air respirators. Each person required to use a respirator must be issued the type and size of respirator as determined by that person's fit test.

6.2 Changes in Levels of Protection

The HSR may authorize a change in the level of protection based on an evaluation of actual field conditions after consulting with the site superintendent. The HSC must be notified whenever Level B protection is used.

Section 7 Standard Operating Safety Procedures and Controls

7.1 General Safety Practices

The following are important personal safety precautions that will be enforced during the investigation(s):

- 1. Eating, drinking, chewing gum or tobacco, smoking, or any transfer and ingestion of material is prohibited in the contamination reduction zone and the exclusion zone.
- 2. Hands and face must be thoroughly washed upon leaving the work area and before entering the support zone, eating, drinking, or any other activity.
- 3. Whenever decontamination procedures for outer garments are in effect, the entire body should be thoroughly washed with soap and water as soon as possible after the protective garment is removed.
- 4. No facial hair that interferes with the mask-to-face seal is allowed on personnel required to wear respiratory protection equipment.
- 5. Contact with contaminated surfaces or with surfaces suspected of being contaminated should be avoided. Whenever possible, one should not walk through puddles, mud or other discolored surfaces; kneel on ground; lean, sit, or place equipment on drums, containers, vehicles, or the ground.
- 6. Medicine and alcohol can potentiate the effect from exposure to toxic chemicals. RMT personnel will be informed of the possible potentiation of effects.
- 7. Personnel and equipment in the contaminated areas should be minimized, consistent with effective site operations.
- 8. Work areas for various operational activities must be established.
- 9. Procedures for leaving the contaminated area must be planned and implemented prior to going to the site. Work areas and decontamination procedures must be established on the basis of prevailing site conditions.
- 10. Respirators will be cleaned and disinfected after each use.
- 11. Safety gloves and boots shall be taped to the disposable, chemical-protective suits.
- 12. All equipment determined to be unsafe or dangerous to operate by the site Health and Safety Representative will be identified by a "DANGER, DO NOT OPERATE" tag, and not operated until repairs are made.

- 13. Noise mufflers or earplugs will be required for all personnel working around heavy equipment. Disposable, form-fitting plugs or pre-molded plugs are preferred.
- 14. Cartridges for air-purifying respirators will be changed daily at a minimum.
- 15. When self-contained breathing apparatus (SCBA) are on-site, they will be inspected daily by the site Health and Safety Representative. The user will inspect before and after each day's work air purifying respirators.
- 16. Work areas shall be lighted according to minimum illumination presented in Table H-120.1, p. 45670, 29 CFR Part 1910.120.
- 17. Site excavation shall be sloped or shored in accordance with 29 CFR 1926.650.
- 18. Areas that are potentially releasing contaminants due to windblown particulate will be wetted down to eliminate this release.
- 19. Whenever possible, all personnel will be upwind of contaminated areas.
- 20. Only those personnel deemed essential to completing site work will be allowed on-site. Those persons will remain on site only as long as required in order to complete a work task. On-site refers to the exclusion zone and the contamination reduction zone.

7.2 Communications

Field communications will be facilitated by:

- 1. The use of small exclusion zones; and
- 2. Scheduling areas of activity in close proximity.

Site workers when in the exclusion zone must maintain visual contact. If it cannot be maintained, radio communications should be established. As an added precaution, useful hand signals will be incorporated in site safety procedures.

A cellular telephone shall be kept in the possession of the Health and Safety Representative and Field Superintendent, at minimum.

7.3 Adherence to Buddy System

No field operation is without some degree of risk. For this reason, a minimum of two people must be assigned to all task locations and must stay within voice or visual contact at all times. During operations near the river or any open water, one person with a cellular phone must be in visual contact with the operations at all times.

7.4 Site Safety and Health Inspections

On a daily basis or more often, the site Health and Safety Representative or his/her representative will inspect the site, observe work practices and inspect safety equipment to determine the effectiveness of the site Health and Safety Plan. The inspector will make sure onsite RMT personnel are following the general safety practices. Any deficiencies in the effectiveness of the site Health and Safety Plan will be corrected. Such deficiencies will be noted in the inspector's logbook.

If the deficiencies involve the actions (or lack of actions) of on-site RMT personnel, the name(s), date and time, specific actions(s) and corrective actions(s) taken will be recorded in the notebook. If the deficiencies involve specific deficiencies in the Health and Safety Plan, the Plan will be amended and all personnel immediately informed of the amendments and the implications of the amendments.

7.5 Confined Space Entry

Entry into any type of confined space is not expected for this site.

Section 8 Site and Security Control

8.1 Site Control

Site control will be established to minimize the potential for exposures to employees and observers on-site, to protect the public from potential on-site hazards, and to prevent vandalism of equipment and materials. An initial task of the project includes the repair of existing fences to restrict access to the site by unauthorized persons. All personnel desiring to enter the site must present:

- Evidence of medical qualifications.
- Initial HAZWOPER training certificate.
- Annual HAZWOPER refresher certificates.
- A valid reason for site access.

The site is restricted to all personnel unless their official duties are necessary to remediate and/or characterize the site. Members of the media, general public, and regulatory agencies that do not require direct access to contaminated areas will be kept off site (preferred) or in the support zone (if official duties warrant).

8.2 Work Zones

An exclusion zone, a contamination reduction zone, and a support zone will be established at the site during work operations to prevent the spread of contaminants during the work and to minimize employee exposure to contaminants.

8.2.1 Exclusion Zone

The exclusion zone is the zone where hazardous substances are likely to be present. During field activities at the site areas, all personnel entering this zone must wear the required protective equipment and be currently trained.

8.2.2 Contamination Reduction Zone

The contamination reduction zone is a transition zone between contaminated and clean zones and serves as a buffer to reduce the possibility of the clean zone becoming contaminated.

The contamination reduction zone will be located immediately adjacent to the exclusion zone in an area that is convenient for access.

Field personnel will wear the required personal protection while working in the contamination reduction zone. Protective equipment worn in the contamination reduction zone will be removed according to the procedures presented in Subsection 9.1. Personnel working in this zone must also be current in the training specified in Subsection 12.1.

8.2.3 Support Zone

The support zone is a non-contaminated or clean area. Support equipment (clean protective equipment, supplies, *etc.*) will be located in this zone. Normal work clothing is appropriate in this zone. Personnel who remain in this zone are not required to have received the health and safety training for hazardous waste activities specified in 29 CFR 1910.120. However, they must be aware of the site-specific HSP requirements and standard health and safety procedures.

The location of the support zone and any support facilities will be determined based on the following factors:

- Accessibility
- Support services electric power supply, roads, drinking water, etc. Vehicles with the Contamination Reduction Zone or Exclusion Zone take on the characteristic of the zone. Eating or drinking within a vehicle within the CRZ or EZ is prohibited.

8.3 Site Control

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The location of the support zone and any support facilities will be determined based on the following factors:

- Accessibility
- Support services electric power supply, roads, drinking water, etc. Vehicles with the Contamination Reduction Zone or Exclusion Zone take on the characteristic of the zone. Eating or drinking within a vehicle within the CRZ or EZ is prohibited.

Personnel working on site may become contaminated in a number of ways:

- 1. Inhalation of particulates
- 2. Skin contact with soils or sludge
- 3. Walking on contaminated soils
- 4. Using contaminated instruments or equipment
- 5. Contact with free product liquids

Protective clothing and respirators protect the wearer from becoming contaminated or inhaling contaminants. Good work practices help reduce the contamination of protective clothing, instruments and equipment.

Even with these safeguards, contamination may occur. Potentially harmful materials may be transferred into clean areas, exposing unprotected persons. In removing contaminated clothing, personnel may come into contact with and/or inhale the contaminants. To prevent such occurrence, decontamination procedures are developed and implemented. Such procedures must be in place before anyone enters the site and must continue (modified as necessary) throughout the period of the site operations. Decontamination involves physically removing contaminants and/or converting them into innocuous substances. How extensive decontamination must be depends upon a number of factors, the most important being the types of contaminants involved. Combining decontamination procedures, the correct removal of personal protective equipment, and the establishing work zones minimizes crosscontamination from protective clothing to wearer, from equipment to personnel, and from one area to another.

In general, decontamination involves scrubbing with an Alconox/water solution followed by clean water rinses. All disposable items will be disposed of in a dry waste drum. Certain parts of contaminated respirators, such as harness assemblies and leather or clothing components, are difficult to decontaminate. If grossly contaminated, they may have to be discarded. Rubber components can be soaked in soap and water and scrubbed with a brush. In addition to being decontaminated, all respirators, non-disposable protective clothing and other personal articles must be sanitized before they can be used if they become soiled from exhalation, body oils and perspiration. The manufacturer's instructions should be followed in sanitizing the respirator masks; sanitizing pads will be provided for this purpose. The HSR will monitor for the proper

maintenance, decontamination and sanitizing of all respirator equipment by RMT site workers. If practical, non-disposable protective clothing should be machine washed after a thorough decontamination; otherwise, it should be cleaned by hand.

Professional laundry facilities can be used for cotton uniforms. Gross contamination of the uniforms should be performed before being sent to a laundry. This may include hand scraping of soil deposits, dipping in alum treated water, or other reasonable measures.

- The decontamination zone layout and procedures should match the prescribed levels of personal protection.
- The previously described work zones will be established and maintained throughout site field activities. The exclusion zone will be the entire excavation area and those zones involved in the handling of contaminated materials or those areas with open excavations until the time sufficient barriers have been placed to prevent contact and excavation hazards. A contamination reduction zone will be designated on-site prior to site work. The following issues will be addressed in setting up these areas and the decontamination requirements:

<u>Site Duties</u>: The duties performed by each individual determines the potential for contact with and, hence, potential for contamination. The contamination reduction zone at the site will be designed for those individuals requiring maximum decontamination. The site Health and Safety Representative will, however, be able to modify the decontamination procedure at his discretion for those individuals who have not been in contact with hazards (observers, *etc.*).

<u>Amount of Contamination</u>: The appearance of visual contamination on a person or a person's protective clothing would require the most thorough decontamination. The site Health and Safety Representative, as well as the individual, should note the occurrence of gross contamination and discuss possible methods of avoiding this contamination in the future.

Putting on personal protective clothing will consist of the following:

- Put on inner gloves and put on coveralls,
- Put on outer gloves
- Put on boots and/or boot covers,
- Secure interfaces with tape, and
- Put on respirator and fit check with the positive and/or negative pressure test (Level C only).

Personal protective clothing removal will consist of the following:

Remove tape around glove and boot interfaces,

- Remove outer gloves,
- Remove coveralls,
- Remove boot covers and/or boots,
- Remove respirator (Level C only), and
- Remove inner gloves

Section 9 Emergency Equipment

Emergency equipment available on-site shall include:

- First Aid/Bloodborne Pathogen Kits
- Telephone
- Fire Extinguisher.
- Flotation Device (for activities adjacent to the river)

In the event of injury, the emergency shall be handled according to the procedures described in the Emergency Procedures Section. The first aid kits shall be maintained at the control access point between the decontamination and support zones and in support vehicles.

Section 10 **Emergency and Contingency Procedures**

10.1 General Emergency Procedures

In the event of a safety or health emergency at the site, appropriate corrective measures must immediately be taken to assist those who have been injured or exposed and to protect others from hazards. Emergency personnel will be notified of the incident immediately. If necessary, first aid will be rendered.

Emergency telephone numbers are found in Table 7. Copies of Table 7 will be posted and kept in field vehicles.

In the event of an emergency, the following will be conducted:

- 1. The local ambulance, police, fire department and/or hospital will be notified as soon as possible (see Table 7 for appropriate telephone numbers.)
- 2. The injured or exposed person or persons will be immediately removed from danger. The site Health and Safety Representative will determine the need to move an injured employee based on the extent of the injury and the extent of the emergency.
- 3. Affected personnel will be decontaminated and first aid rendered, if necessary.
- 4. All other personnel on site will be removed from the affected area until the HSR gives the instruction to resume work. Work will not resume until the HSR has determined that it is safe to do so.
- 5. An incident report will be completed by the HSR by the end of the following shift and copies submitted to the HSC and Project Manager.
- 6. A formal accident investigation report will be prepared by the HSC within seven days.

Table 7
Telephone Number List

AFFILIATION (NAME)	TELEPHONE NUMBER
Project Coordinator/RMT Senior Client Service Manager	(W) (616) 975-5415 (Cell) (616) 780-2398
Nicholas Clevett	
RMT Technical Coordinator	(W) (616) 975-5415 (Cell) (616) 915-3685
Jennifer Overvoorde	, , , ,
RMT Corporate Health and Safety Director	(W) (641) 648-2513 (Cell) (864) 395-0793
Jan Launder	
Emergency	911
Wharton Police Department	(973) 366-1530
Police Chief Anthony Fernandez	(973) 366-0557
Wharton Fire Department	
Fire Chief Jen O'Malley Dorr	
<u>Ambulance</u>	911
<u>Hospital</u>	(973) 989-3000
St. Claire	
400 W Blackwell St, Dover, NJ 07801	
Poison Control Center	(800) 521-6110
National Response Center	(800) 424-8802

Directions to Hospital See Figure 3 on page 10-5.

10.2 Chemical Exposure First Aid

- Injuries from contaminant inhalation can only be treated by qualified physicians. Remove affected personnel to "fresh" air and contact emergency services.
- If the contaminant is on the skin or in the eyes, immediate measures must be taken to counteract its effect. First aid treatment usually involves flooding the affected area with water.

10.3 Contingency Procedures

Contingencies are developed for:

- Physical injury
- Chemical exposure
- Heat stress
- Cold stress
- Uncontrolled release or fire
- Physical injuries in the form of sprained ankles or backs, puncture wounds, or broken bones are possible. The preponderance of jagged metal, uneven terrain, construction debris, heavy lifting and encumbered movement due to protective equipment also increases the likelihood of physical injuries.
- Significant chemical exposures are probably less likely to occur due to the conservative precautions already taken in the form of respiratory and skin protection. For chemical injuries, on-site first aid is largely limited to the use of eyewashes. If chemical exposure occurs, the HSR will take immediate steps to determine the chemical agent(s).
- Heat stress incidents are a health concern at the site. Warm temperatures coupled with the use of impermeable protective clothing would make heat stress a distinct possibility. Practical field techniques for heat stress management can vary greatly in sophistication. Determination of pulse rate and oral temperatures may be deemed appropriate in some cases, while modification of traditional work schedules may suffice in others. As a minimum, RMT site personnel will take a break at least every two hours and drink plenty of non-alcoholic fluids if warm temperatures are encountered. An average of one quart per hour over an eight-hour workday is recommended. Personnel experiencing nausea, dizziness, or any other common heat stress symptom should take a break immediately in a cool or shaded area and drink plenty of fluids. If symptoms are not alleviated, medical treatment should be sought.
- Cold stress incidents may be a health concern at the site. If signs of hypothermia or frostbite, as described in Section 4.3.2, are seen, medical treatment should be sought.

■ The uncontrolled release of chemical vapors or a fire that threatens site personnel or the public is clearly a worst-case situation that should be anticipated. The most likely cause for evacuation is fire and/or explosion from a spark or chemical reaction, although some scenarios may also include uncontrolled releases of volatile vapors. The potential for fire and/or explosion is considered to be remote due to the non-volatile nature of suspected contaminants encountered during site investigations.

10.4 Evacuation Procedures

If conditions on-site result in situations that may warrant the evacuation of the surrounding population, the RMT site Health and Safety Representative will notify the NJDEP, USEPA, the RMT project manager and local emergency authorities. A determination will be made by these authorities on the need for evacuation. The Health and Safety Coordinator will provide input for this decision, if requested.

The following chemical emergency information sources may be used for establishing procedures for site evacuation:

- Coast Guard Chemical Hazards Response Information System (CHRIS). This system consists of four manuals, a computer-assisted hazard-assessment system and Coast Guard technical assistance.
- CHEMTREC System, which has warning and guidance on over 3,600 items classed by chemical and trade name. CHEMTREC can be accessed through its emergency telephone number: 800/424-9300 (483-7616 in Washington, DC). Although the system is specifically oriented toward transport, it is a valuable repository of information for any incident of environmental degradation caused by a specific chemical agent, if known.

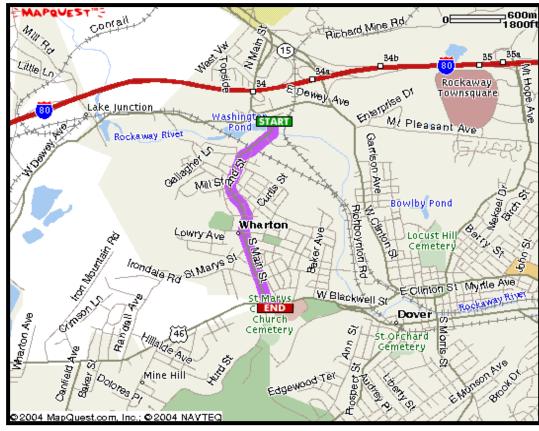
The hazards presented by hazardous materials may be either intensified or reduced by local conditions at the site. Weather conditions, fire (actual or potential) or other conditions may require modification of basic monitoring approaches. Such factors may impose additional restrictions on monitoring and cleanup operations by affecting the nature and rate of movement of materials within and beyond the immediate area, the toxicity and reactivity of hazardous substances and the monitor's mobility within the working area.

Wind increases the dispersal of dust, toxic gases, powders and aerosols from the hazardous waste site. Therefore, steps will be taken to minimize the effect of wind dispersal as deemed necessary by the Health and Safety Representative.

Figure 3 Hospital Routing Map

St. Clare Hospital Driving Directions





Section 11 Personnel Training

Training is performed to make personnel:

- Aware of the hazardous aspects of work,
- Aware of the regulations and rules of conduct specific to on-site activities,
- Knowledgeable and comfortable with the safe operating procedures, work practices, and emergency actions established at the site, and
- Confident in knowing how to safely and effectively respond in emergency situations.

Therefore, the training program is a "preventive" measure, which if implemented and enforced, should help reduce employee injury, illness and accidents.

11.1 Pre-Entry Briefing

The site specific HSP will be reviewed with RMT personnel prior to their work on-site by the HSR. A health and safety briefing will be held by the HSR in the field prior to site work. Prior to the start of field activities, all subcontract personnel will be informed of the hazards and potential exposures related to the planned activities and the Health and Safety procedures to be followed by RMT on-site personnel. This HSP will be made available to subcontract personnel to assist them in developing their own Health and Safety Plan.

11.2 General Training Requirements

Each RMT employee at the site shall have a valid certificate for 40-hour health and safety training as required under OSHA 1910.120, as well as having attended 8-hour annual refresher courses within less than a year.

Section 12 Medical Surveillance

A medical surveillance program has been established to identify, monitor, and minimize health risks for employees potentially exposed to hazardous materials. All field personnel participate in this program, which meets the requirements of OSHA 1910.120. This program includes baseline medical examinations to establish the individual's state of health, baseline physiological data, ability to wear personal protective equipment, and annual physicals.

The protocol for the yearly medical examination will include the following:

- Health history
- Vital signs and physical examination screen
- Pulmonary function
- Hematology survey
- Urinalysis
- Heavy metals screen
- Blood chemistry screen (SMA-20)
- Vision test
- Hearing test

The initial examination may include a maximal stress treadmill exercise test with a 12-point-lead EKG and chest x-ray, in addition to the above annual tests.

Personnel assigned to conduct on-site work tasks must have passed the required medical examination before entering either the contamination reduction or exclusion zone.

Whenever a situation occurs at a site that may pose a significantly increased health risk to any personnel, or personnel exhibit job-related health symptoms, the HSC may recommend that the individual consult with a physician for examination and treatment in accordance with good medical practice.

Section 13 Record Keeping

Logs and reports sufficient to document the implementation and execution of the personnel protection programs shall be maintained by the general contractor for all personnel involved in site activities. This documentation may include medical surveillance files, training files, daily logs and accident reports.

13.1 Medical Surveillance

Medical surveillance files for RMT site personnel are maintained in the RMT human resources department. These files document employee participation in the medical surveillance program and fitness to work on hazardous sites.

13.2 Training

Documentation of employee training is maintained in the Health and Safety files in the human resources department. These files document employee attendance, level of training and follow-up; or refresher instruction.

13.3 Work Logs

The On-site Coordinator shall maintain daily work logs. Copies of daily logs shall be forwarded to the Project Manager or the HSC on request. The daily log shall contain:

- Date,
- Area(s) or site(s) worked,
- List of employees by area and hours exposed,
- Personal protective equipment utilized by employees,
- Results of monitoring tests,
- Description of special or unusual events or incidents, including all first aid treatments not otherwise reportable.

Daily work logs shall be checked by the HSR. Any incident resulting in a work stoppage shall be fully documented in a report prepared by the HSR and submitted to the Project Manager.

13.4 Accident Reporting

In addition to descriptions in the daily log and work stoppage reports, any accident, chemical exposure, or "near-miss" incident shall be investigated, analyzed, and documented in an Incident Report submitted to the Project Manager and HSC. These reports, prepared by the HSR shall contain a full description and analysis of the incident.

First Report of Injury forms shall be completed in the event of an injury or illness.

Formal accident reports shall be prepared for any diagnosed illness or injuries that result in a lost workday or fatality. The accident report shall identify all contributing causes and recommend future hazard control measures to reduce the risk of recurrence.

Persons on site are responsible for reporting all injuries as soon as possible to the HSR.

DAYCO CORPORATION/L.E. CARPENTER AND COMPANY SUPERFUND SITE MW19/HOT SPOT 1 REMEDIATION DAILY SIGN-IN SHEET

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DAYCO CORPORATION/L.E. CARPENTER AND COMPANY SUPERFUND SITE MW19/HOT SPOT 1 REMEDIATION DAILY SIGN-IN SHEET

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DAYCO CORPORATION/L.E. CARPENTER AND COMPANY SUPERFUND SITE MW19/HOT SPOT 1 REMEDIATION DAILY SIGN-IN SHEET

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DAYCO CORPORATION/L.E. CARPENTER AND COMPANY SUPERFUND SITE MW19/HOT SPOT 1 REMEDIATION DAILY SIGN-IN SHEET

DATE	FULL NAME (PRINT)	SIGNATURE	ORGANIZATION	TIME IN	TIME OUT
2/12/10	CARL PRANCES	11/1/2/21	Dallas	1:00	3:30
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2/16/10	Josh Delca	Will the	DAVIAS	7:00	2.30
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DAYCO CORPORATION/L.E. CARPENTER AND COMPANY SUPERFUND SITE MW19/HOT SPOT 1 REMEDIATION

DAILY SIGN-IN SHEET

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DATE	FULL NAME (PRINT)	/SIGNATURE	ORGANIZATION	TIME IN	TIME OUT
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DAYCO CORPORATION/L.E. CARPENTER AND COMPANY SUPERFUND SITE MW19/HOT SPOT 1 REMEDIATION DAILY SIGN-IN SHEET

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Client Name: Site Location: Project No.:

PolyOne Corporation L.E. Carpenter, Wharton, NJ 6527.38

Photo No. Date
1 1/15/09

Description

Pre-Demolition Survey; Photograph of the Building 9 first floor interior.



Photo No. Date
2 1/15/09

Description

Pre-Demolition Survey; Photograph of the Building 9 first floor interior.





Client Name:Site Location:Project No.:PolyOne CorporationL.E. Carpenter, Wharton, NJ6527.38

Photo No. Date 3 1/15/09

Description

Pre-Demolition Survey; Photograph of the Building 9 first floor interior.



 Photo No.
 Date

 4
 1/15/09

Description

Pre-Demolition Survey; Photograph of the Building 9 first floor interior.





Client Name:Site Location:Project No.:PolyOne CorporationL.E. Carpenter, Wharton, NJ6527.38

Photo No. Date 5 1/15/09

Description

Pre-Demolition Survey; Photograph of the Building 9 first floor interior showing stairway to second floor.



 Photo No.
 Date

 6
 1/15/09

Description

Pre-Demolition Survey; Photograph of the Building 9 first floor interior.





Client Name: Site Location: Project No.:

PolyOne Corporation L.E. Carpenter, Wharton, NJ 6527.38

 Photo No.
 Date

 7
 1/15/09

Description

Pre-Demolition Survey; Photograph of the Building 9 first floor pit.



 Photo No.
 Date

 8
 1/15/09

Description

Pre-Demolition Survey; Photograph of the Building 9 first floor interior RMT 2007 RASR soil borings.





Client Name: Site Location: Project No.:

PolyOne Corporation L.E. Carpenter, Wharton, NJ 6527.38

Photo No. Date
9 1/15/09

Description

Pre-Demolition Survey; Photograph of the Building 9 first floor interior showing the former trench and drain.



Photo No.	Date
10	1/15/09

Description

Pre-Demolition Survey; Photograph of the Building 9 first floor interior showing the former trench and drain.





Client Name:Site Location:Project No.:PolyOne CorporationL.E. Carpenter, Wharton, NJ6527.38

 Photo No.
 Date

 11
 1/15/09

Description

Pre-Demolition Survey; Photograph of the Building 9 first floor interior showing the former basement shaft.

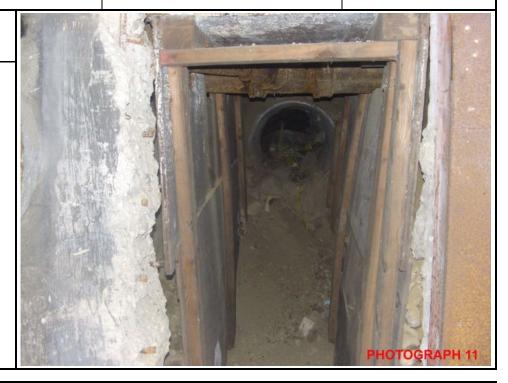


Photo No. Date
12 1/15/09

Description

Pre-Demolition Survey; Photograph of the Building 9 basement.





Client Name: Site Location: Project No.:

PolyOne Corporation L.E. Carpenter, Wharton, NJ 6527.38

Photo No. Date

13 1/15/09

Description

Pre-Demolition Survey; Photograph of room located in the building 9 basement.



 Photo No.
 Date

 14
 1/15/09

Description

Pre-Demolition Survey; Photograph of the entrance and manhole located in the building 9 basement.





Client Name:	Site Location:	Project No.:
L.E. Carpenter & Company	Wharton, NJ	6527.44

 Photo No.
 Date

 1
 1/10/10

Description

Photo taken west of Main Street looking East toward the MW19HS1 area.

Photo shows site conditions just prior to implementing the MW19HS1 remediation, including the Building 9 first floor concrete slab, foundation walls, and building footers left in place following completion of the Building 9 demolition phase.



Photo No.	Date
2	1/10/10

Description

Photo taken standing on the Building 9 first floor concrete slab looking Northwest toward the intersection of Main Street and Ross Street.

Photo shows site conditions just prior to remediation including the exposed basement area.





Client Name: Site Location: Project No.:

L.E. Carpenter & Company Wharton, NJ 6527.44

Photo No. Date 3 1/14/10

Description

Posted informational and security signs at Ross Street construction entrance.



Photo No. Date
4 1/14/10

Description

Posted informational and security sign visible from Main Street near the Ross Street intersection.





Client Name:	Site Location:	Project No.:
L.E. Carpenter & Company	Wharton, NJ	6527.44

 Photo No.
 Date

 5
 1/15/10

Description

Photo taken near the Ross Street construction entrance looking Southwest toward the main excavation area.

Photo shows the remaining Building 9 slab and removal of surface topsoil for installation of the tracking/decontamination road.



Photo No.	Date
6	1/18/10

Description

Photo taken from the Building 9 concrete slab looking East toward the Ross Street construction entrance.

Photo shows the removal of topsoil, installed security gate between Building 8 and the existing fence along Ross Street.





Client Name:	Site Location:	Project No.:
L.E. Carpenter & Company	Wharton, NJ	6527.44

 Photo No.
 Date

 7
 1/19/10

Description

Photo taken standing on Building 9 concrete slab looking North toward Building 8.

Photo shows removal of the Building 9 first floor concrete slab exposing the sub-slab fill material below.



Photo No.	Date
8	1/19/10

Description

Photo taken near the Ross Street construction entrance looking North through the installed gate toward the Building 8 paved parking area.

Photo shows the installation of 2-1/2" aggregate material over geotextile for the required tracking/decontamination pad.





Client Name: Site Location: Project No.:

L.E. Carpenter & Company Wharton, NJ 6527.44

 Photo No.
 Date

 9
 1/19/10

Description

Photo taken from the Northwest corner of Building 9 looking South.

Photo shows the removal of the Building 9 exterior walls and footers outside of the remedial excavation area.



Photo No.	Date	
10	1/19/10	

Description

Photo taken from the paved parking lot North of Building 8 looking West.

Photo shows the installed tracking pad between the paved parking area and main excavation area.





Client Name: Site Location: Project No.:

L.E. Carpenter & Company Wharton, NJ 6527.44

 Photo No.
 Date

 1
 1/18/10

Description

Photo taken standing on the Buildnig 9 first floor slab looking Northwest toward Ross Street.

Photo shows the cut concrete slab at the proposed construction limits of the excavation.



Photo No.	Date
2	1/19/10

Description

Standing at approx. Grid location 20n0e looking North.

Photo shows exposed ACM transite pipe encountered during exterior wall removal.





Client Name: Site Location: Project No.:

L.E. Carpenter & Company Wharton, NJ 6527.44

Photo No. Date 3 1/22/10

Description

Photo shows emergency removal of ACM transite pipe material.



Photo No. Date
4 1/22/10

Description

Photo shows emergency removal of ACM transite pipe material





Client Name: Site Location: Project No.:

L.E. Carpenter & Company Wharton, NJ 6527.44

Photo No. Date 5 1/22/10

Description

Photo shows sub-slab fill (black slag) encountered in the Southeast corner of Building 9 below the first floor concrete floor slab.



Photo No.	Date
6	1/26/10

Description

Photo shows the physical characteristics of the multi-colored process waste encountered immediately below the Building 9 first floor concrete slab in the area of the former trench drains.





Client Name: Site Location: Project No.:

L.E. Carpenter & Company Wharton, NJ 6527.44

 Photo No.
 Date

 7
 1/26/10

Description

Photo showing the physical characteristics of the solid green chunks of process waste encountered approximately 3 feet below the adjacent ground surface in the area of the former trench drains.



 Photo No.
 Date

 8
 1/26/10

Description

Drummed multi-colored process waste removed during AOC excavation.





Client Name: Site Location: Project No.:

L.E. Carpenter & Company Wharton, NJ 6527.44

Photo No. Date 9 1/29/10

Description

Standing at approximately 0n60w looking South across the intial excavation of the South sidewall area.

Photo shows excavation down to the visible water table during initial South sidewall excavation.



Photo No.	Date
10	2/1/10

Description

Standing at approximately 10n70w looking South across the excavation.

Photo shows excavation to the visible water table and staked confirmation soil sample locations at the base and midpoint of the South excavation sidewall.





Client Name:Site Location:Project No.:L.E. Carpenter & CompanyWharton, NJ6527.44

 Photo No.
 Date

 11
 2/2/10

Description

Physical characteristics of the removed saturated process waste encountered at the water table. Elevation. This material was light green in color and displayed string like physical characteristics.



Photo No.	Date
12	2/2/10

Description

Physical characteristics of the removed saturated process waste encountered at the water table. Elevation. This material was light green in color and displayed string like physical characteristics.





Client Name:	Site Location:	Project No.:
L.E. Carpenter & Company	Wharton, NJ	6527.44

 Photo No.
 Date

 13
 2/5/10

Description

Standing on the Building 9 basement floor slab looking West toward the remedial excavation.

Photo shows the removal of approximately 5' width of basement floor slab to confirm the Eastern extent of contamination.



Photo No.	Date
14	2/9/10

Description

Standing at approximate grid location 30s30w looking North.

Photo shows the exposed West excavation sidewall extents and staked locations of confirmation soil samples.





Client Name:	Site Location:	Project No.:
L.E. Carpenter & Company	Wharton, NJ	6527.44

 Photo No.
 Date

 15
 2/9/10

Description

Standing on the Building 9 concrete basement floor slab loking West across the excavation.

Photo shows the additional removal of saturated source material from the bottom of the excavation. Approximately four additional feet of material was removed from below the visible water table.



Photo No.	Date
16	2/9/10

Description

Standing at approximate grid location 0n10e looking West toward Ross Street.

Photo shows the additional excavation attempted within the footprint of where process waste was observed and elevated PID detections were recorded, soils at this depth (below 624.3 feet) could not be properly managed due to highly saturated sand materials. e





Client Name: Site Location: Project No.:

L.E. Carpenter & Company Wharton, NJ 6527.44

 Photo No.
 Date

 17
 2/9/10

Description

Standing at 20s80w looking North across the excavation.

Photo shows the additional excavation attempted within the footprint of where process waste was observed.



Photo No.	Date
18	2/9/10

Description

Standing at 20s80w looking North across the excavation.

Photo shows the final excavation extents and depth.





MW19HS1 Remediation Photographic Log (Waste Management)

Client Name:	Site Location:	Project No.:
L.E. Carpenter & Company	Wharton, NJ	6527.44

 Photo No.
 Date

 1
 2/9/10

Description

Standing on the tracking /decontamination pad looking North.

Photo shows the excavated waste soils stockpiled and covered with poly sheeting.



Photo No.	Date
2	2/19/10

Description

Standing South of the MW19HS1 backfilled excavation looking North.

Photo shows the load-out and disposal of sub-slab fill material.





MW19HS1 Remediation Photographic Log (Waste Management)

Client Name:	Site Location:	Project No.:
L.E. Carpenter & Company	Wharton, NJ	6527.44

 Photo No.
 Date

 3
 3/31/10

Description

Standing in the Building 8 paved parking area looking North.

Photo shows the load-out and disposal of sub-slab fill and excavated waste soils stockpiled North of the paved parking area.



Photo No.	Date					
4	3/31/10					

Description

Standing in the Building 8 paved parking area looking North.

Photo shows the load-out and disposal of sub-slab fill and excavated waste soils stockpiled North of the paved parking area.





MW19HS1 Remediation Photographic Log (Waste Management)

Client Name: Site Location: Project No.:

L.E. Carpenter & Company Wharton, NJ 6527.44

 Photo No.
 Date

 5
 4/6/10

Description

Drummed multi-colored process waste removed during remediation.



Photo No.	Date				
6	4/6/10				

Description

The three (3) drums of multicolored process waste removed during remediation being loaded for disposal.





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February 16, 2010

Ms. Jennifer Overvoorde RMT, Inc. 2025 E. Beltline Ave. SE Suite 402 Grand Rapids, MI 49546

Phone: (616) 975-5415 Fax: (616) 975-1098

RE: Trace Project T10A182

Client Project LEC MW19HS1 Remediation / 6527.40

Dear Ms. Overvoorde:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink
Project Manager

Enclosures





231.773.5998 toll-free 800.733.5998 fax 231.773.6537

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SAMPLE SUMMARY

Trace Project ID:

T10A182

Client Project ID:

LEC MW19HS1 Remediation / 6527.40

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T10A182-01	SS-19HS1-10-1	Soil	sp	01/21/10 10:10	01/22/10 10:41
T10A182-02	SS-19HS1-10-2	Soil	sp	01/21/10 10:30	01/22/10 10:41
T10A182-03	SS-19HS1-10-3	Soil	sp	01/21/10 10:45	01/22/10 10:41
T10A182-04	SS-19HS1-10-4	Soil	sp	01/21/10 11:00	01/22/10 10:41
T10A182-05	SS-19HS1-10-5	Soil	sp	01/21/10 11:40	01/22/10 10:41
T10A182-06	SS-19HS1-10-6	Soil	sp	01/21/10 11:50	01/22/10 10:41
T10A182-07	SS-19HS1-10-7	Soil	sp	01/21/10 12:00	01/22/10 10:41
T10A182-08	Concrete-19HS1-10-1	Soil	sp	01/21/10 14:45	01/22/10 10:41



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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate
RPD Relative Percent Difference

DUP Matrix Duplicate

RDL Reporting Detection Limit
MCL Maximum Contamination Limit
TIC Tentatively Identified Compound

<, ND or U Indicates the compound was analyzed for but not detected

Indicates a result that exceeds its associated MCL or Surrogate control limits

N Indicates that the compound has not been evaluated by NELAC

NA Indicates that the compound is not available.

DATA QUALIFIERS

Trace ID: T014539-MSD1 Analysis: EPA 7471A				
Mercury	Note 209: The MSD recovery was out of control. Because the MS recovery and the RPD between the MS and the MSD were in control, no data require qualification.			
Trace ID: T014550-MSD1 Analysis: EPA 8260B				
Trichloroethene	Note 208: The MS recovery was out of control. Because the MSD recovery and the RPD between the MS and the MSD were in control, no data require qualification.			
Trace ID: T10A182-01				
Analysis: EPA 8260B				
1,2,3-Trichlorobenzene	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.			
1,2,3-Trimethylbenzene	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.			
1,2,4-Trichlorobenzene	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.			
1,2,4-Trimethylbenzene	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.			
1,2-Dibromo-3-chloroprop ane	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.			

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1,2-Dichlorobenzene	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.
1,3,5-Trimethylbenzene	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.
1,3-Dichlorobenzene	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.
1,4-Dichlorobenzene	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.
4-Bromofluorobenzene	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.
Bromobenzene	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.
Hexachloroethane	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.
Naphthalene	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.
n-Butylbenzene	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.
n-Propylbenzene	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.
p-lsopropyltoluene	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.
sec-Butylbenzene	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.
t-Butyl Benzene	Note 618.5: The result and reporting limit must be considered estimated due to an internal standard failing QC criteria low. The internal standard area was less than 50% but greater than 10% of criteria.
nce ID: T10A182-08 Analysis: EPA 8260B	
Acetone	Note 808: The continuing calibration failed high for this compound. The result is considered bias high.
Analysis: EPA 8270C	

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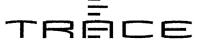


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2,4,6-Tribromophenol	ote 319.5: The acid surrogates were out of control low when compared to the ontrol limits. This is typical for concrete samples. The results for the acid compounds ust be considered estimated.				
2-Fluorophenol	Note 319.5: The acid surrogates were out of control low when compared to the control limits. This is typical for concrete samples. The results for the acid compounds must be considered estimated.				
Phenol-d5	Note 319.5: The acid surrogates were out of control low when compared to the control limits. This is typical for concrete samples. The results for the acid compounds must be considered estimated.				

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-01 Date Collected: 01/21/10 10:10 Matrix: Soil Sample ID: SS-19HS1-10-1 Date Received: 01/22/10 10:41 **PARAMETERS RESULTS UNITS RDL** DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** Analysis Method: EPA 8260B Batch: T014550 <0.0043 mg/kg dry Dichlorodifluoromethane 01/25/10 01/25/10 1 jp jp 0.0043 Chloromethane <0.0043 mg/kg dry 1 01/25/10 01/25/10 0.0043 jp jp <0.0043 mg/kg dry Vinyl chloride 1 01/25/10 jp 01/25/10 Ν jp 0.0043 Bromomethane <0.0043 mg/kg dry 1 01/25/10 jp 01/25/10 0.0043 jp Chloroethane <0.0043 mg/kg dry 1 01/25/10 01/25/10 0.0043 jp jр Trichlorofluoromethane <0.0043 mg/kg dry 1 01/25/10 01/25/10 0.0043 jp jp Acrolein <0.043 mg/kg dry 1 01/25/10 0.043 01/25/10 jp jp Ν 1 Diethyl ether <0.0043 mg/kg dry 0.0043 01/25/10 jр 01/25/10 ip Ν 1,1-Dichloroethene <0.0043 mg/kg dry 1 01/25/10 01/25/10 0.0043 jp jp Acetone <0.043 mg/kg dry 1 01/25/10 jp 01/25/10 0.043 jp Iodomethane <0.0043 mg/kg dry 0.0043 1 01/25/10 jp 01/25/10 jp Ν Carbon disulfide <0.022 mg/kg dry 1 01/25/10 01/25/10 0.022 įр įр <0.0043 mg/kg dry 1 01/25/10 01/25/10 Methyl-tert-butyl ether 0.0043 jp jp 1 Methylene chloride <0.0043 mg/kg dry 0.0043 01/25/10 įр 01/25/10 qį Acrylonitrile <0.043 mg/kg dry 1 01/25/10 jp 01/25/10 N 0.043 jp trans-1,2-Dichloroethene <0.0043 mg/kg dry 1 01/25/10 01/25/10 jp jp 0.0043 <0.0043 mg/kg dry 1,1-Dichloroethane 1 01/25/10 jp 01/25/10 0.0043 jp 01/25/10 Diisopropyl Ether <0.0043 mg/kg dry 1 01/25/10 N jp jp 0.0043 01/25/10 1 2-Butanone <0.043 mg/kg dry 01/25/10 0.043 jp jp cis-1,2-Dichloroethene <0.0043 mg/kg dry 1 01/25/10 01/25/10 0.0043 jp jp 1 01/25/10 01/25/10 t-Butyl Ethyl Ether <0.0043 mg/kg dry 0.0043 jp jp Ν 1 Bromochloromethane <0.0043 mg/kg dry 01/25/10 01/25/10 0.0043 jp jp Tetrahydrofuran <0.017 mg/kg dry 1 01/25/10 01/25/10 0.017 jp jp Ν Chloroform <0.0043 mg/kg dry 1 0.0043 01/25/10 jp 01/25/10 jp

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<0.0043 mg/kg dry

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1,1,1-Trichloroethane

Carbon tetrachloride

t-Amyl Methyl Ether

1,2-Dichloroethane

1,2-Dichloropropane

Bromodichloromethane

cis-1,3-Dichloropropene

Cyclohexane

Trichloroethene

Dibromomethane

Benzene



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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-01 Date Collected: 01/21/10 10:10 Matrix: Soil Sample ID: SS-19HS1-10-1 Date Received: 01/22/10 10:41 **PARAMETERS RESULTS UNITS RDL** DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** 4-Methyl-2-pentanone <0.043 mg/kg dry 1 01/25/10 jp 01/25/10 jp 0.043 Toluene <0.0043 mg/kg dry 1 01/25/10 jp 01/25/10 jp 0.0043 trans-1,3-Dichloropropene <0.0043 mg/kg dry 1 01/25/10 01/25/10 0.0043 jp jp 1,1,2-Trichloroethane <0.0043 mg/kg dry 1 01/25/10 01/25/10 0.0043 jр jp Tetrachloroethene <0.0043 mg/kg dry 01/25/10 01/25/10 0.0043 jp įр 2-Hexanone 01/25/10 <0.043 mg/kg dry 0.043 1 jp 01/25/10 jp Dibromochloromethane <0.0043 mg/kg dry 1 01/25/10 01/25/10 0.0043 jp jp 1,2-Dibromoethane (EDB) <0.0043 mg/kg dry 1 01/25/10 01/25/10 0.0043 jp jp Chlorobenzene <0.0043 mg/kg dry 1 01/25/10 jp 01/25/10 jp 0.0043 <0.0043 mg/kg dry 1,1,1,2-Tetrachloroethane 1 01/25/10 01/25/10 jp jp 0.0043 1 01/25/10 Ethylbenzene <0.0043 mg/kg dry 01/25/10 jp 0.0043 jp m,p-Xylene <0.0086 mg/kg dry 0.0086 1 01/25/10 jp 01/25/10 jp Ν o-Xylene <0.0043 mg/kg dry 1 01/25/10 01/25/10 jp Ν 0.0043 jp <0.013 mg/kg dry Xylenes, total 1 01/25/10 01/25/10 N 0.013 jp jp <0.0043 mg/kg dry Styrene 1 01/25/10 01/25/10 0.0043 jp jp 1 Bromoform <0.0043 mg/kg dry 0.0043 01/25/10 jp 01/25/10 jp <0.0043 mg/kg dry 1 Isopropylbenzene 01/25/10 jp 01/25/10 jp 0.0043 1,1,2,2-Tetrachloroethane <0.0043 mg/kg dry 0.0043 1 01/25/10 jp 01/25/10 jp 1,2,3-Trichloropropane <0.0043 mg/kg dry 1 01/25/10 01/25/10 0.0043 jp jp trans-1,4-Dichloro-2-butene <0.0043 mg/kg dry 0.0043 1 01/25/10 įр 01/25/10 įρ Bromobenzene <0.0043 mg/kg dry 1 01/25/10 01/25/10 0.0043 jp jp 618.5 n-Propylbenzene <0.0043 mg/kg dry 1 01/25/10 jp 01/25/10 įр 618.5 0.0043 <0.0043 mg/kg dry 1,3,5-Trimethylbenzene 1 01/25/10 jp 01/25/10 618.5 0.0043 jp t-Butyl Benzene <0.0043 mg/kg dry 1 01/25/10 jp 01/25/10 jp 618.5 0.0043 1,2,4-Trimethylbenzene <0.0043 mg/kg dry 1 01/25/10 01/25/10 618.5 0.0043 jp jp <0.0043 mg/kg dry sec-Butylbenzene 1 01/25/10 01/25/10 618.5 0.0043 jp jр <0.0043 mg/kg dry 1 01/25/10 p-Isopropyltoluene 01/25/10 618.5 jp jp 0.0043 1,3-Dichlorobenzene <0.0043 mg/kg dry 1 01/25/10 jp 01/25/10 jp 618.5 0.0043 1,4-Dichlorobenzene <0.0043 mg/kg dry 1 01/25/10 01/25/10 618.5 0.0043 jp jp n-Butylbenzene <0.0043 mg/kg dry 1 01/25/10 01/25/10 0.0043 jp jp 618.5 1 1,2,3-Trimethylbenzene <0.00086 mg/kg dry 0.00086 01/25/10 jp 01/25/10 jp 618.5, N <0.0043 mg/kg dry 1 1,2-Dichlorobenzene 0.0043 01/25/10 jp 01/25/10 jp 618.5 1,2-Dibromo-3-chloropropane <0.0043 mg/kg dry 1 0.0043 01/25/10 jp 01/25/10 618.5 jp Hexachloroethane <0.00086 mg/kg dry 1 01/25/10 jp 01/25/10 618.5, N 0.00086 jp 1,2,4-Trichlorobenzene <0.0043 mg/kg dry 1 01/25/10 jp 01/25/10 618.5 0.0043 jp Naphthalene 0.0049 mg/kg dry 1 01/25/10 01/25/10 618.5, N 0.0043 jp jp 1,2,3-Trichlorobenzene <0.0043 mg/kg dry 01/25/10 jp 01/25/10 618.5 0.0043 jp

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

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Trace ID: Sample ID:	T10A182-01 SS-19HS1-10-1		Date Collected: Date Received:		01/21/10 10:10 01/22/10 10:41		Matrix: Soil			
PARAMETERS		RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUN	NDS BY GC-MS								
Surrogat	es:									
1,2-Dicl	hloroethane-d4	101 %	71-131	1	01/25/10	jp	01/25/10	jp		
Toluene	e-d8	123 %	70-130	1	01/25/10	jp	01/25/10	jp		
4-Brom	ofluorobenzene	* 130 %	65-122	1	01/25/10	jp	01/25/10	jp	618.5	
1,2-Dich	nlorobenzene-d4	113 %	54-134	1	01/25/10	jp	01/25/10	jp		
SEMI-VOL	ATILE ORGANIC CON	IPOUNDS BY GC-MS								
Analysis Me	ethod: EPA 8270C									
Batch:	T014533									
Bis(2-chlo	proethyl)ether	<0.036 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avl		
2-Chlorop	henol	<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avl		
Phenol		<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avl		
1,3-Dichlo	orobenzene	<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avl		
1,4-Dichlo	probenzene	<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avl		
1,2-Dichlo	probenzene	<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avi		
Benzyl ald	cohol	<0.73 mg/kg dry	0.73	1	01/22/10	kb	01/25/10	avl		
-	proisopropyl)ether	<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avl		
2-Methylp	henol (o-Cresol)	<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avi		
	rlphenol (m,p Cresol)	<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avi		
-	di-n-propylamine	<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avl		
Hexachlor		<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avl		
Nitrobenz	ene	<0.036 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avl		
Isophoron	e	<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avl		
2-Nitrophe		<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avl		
2,4-Dimet		<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avl		
Bis(2-chlo	roethoxy)methane	<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avl		
Benzoic a		<1.3 mg/kg dry	1.3	1	01/22/10	kb	01/25/10	avi		
1,2,4-Tricl	hlorobenzene	<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avl		
2,4-Dichlo		<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avi		
Naphthale	•	<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avl		
4-Chloroa		<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avl		
	obutadiene	<0.036 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avl		
	B-methylphenol	<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avl		
	aphthalene	<0.092 mg/kg dry	0.092	1	01/22/10	kb	01/25/10	avl		
	ocyclopentadiene	<0.19 mg/kg dry	0.19	1	01/22/10	kb	01/25/10	avl		
	nlorophenol	<0.036 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avl		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

the science of compliance

Trace ID: T10A182-01 Date Collected: 01/21/10 10:10 Matrix: Soil Sample ID: SS-19HS1-10-1 Date Received: 01/22/10 10:41 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS <0.092 mg/kg dry 01/25/10 2,4,5-Trichlorophenol 1 01/22/10 kb avi 0.092 <0.092 mg/kg dry 2-Chloronaphthalene 1 01/22/10 kb 01/25/10 avl 0.092 2-Nitroaniline <0.092 mg/kg dry 1 01/22/10 kb 01/25/10 0.092 avi Dimethyl phthalate <0.092 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.092 Acenaphthylene <0.092 mg/kg dry 1 01/22/10 01/25/10 kb avi 0.092 2,6-Dinitrotoluene <0.092 mg/kg dry 1 01/22/10 01/25/10 0.092 kb avi 3-Nitroaniline <0.092 mg/kg dry 1 01/25/10 01/22/10 kb avl 0.092 1 01/25/10 Acenaphthene <0.092 mg/kg dry 01/22/10 kb avi 0.092 Dibenzofuran <0.092 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.092 2,4-Dinitrotoluene <0.092 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.092 4-Nitrophenol <0.74 mg/kg dry 1 01/22/10 01/25/10 kb avi 0.74 01/22/10 1 01/25/10 2,4-Dinitrophenol <0.74 mg/kg dry 0.74 kb avi Diethyl phthalate <0.092 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.092 <0.092 mg/kg dry 1 01/22/10 01/25/10 Fluorene 0.092 kb avl <0.092 mg/kg dry 4-Chlorophenyl phenyl ether 1 01/22/10 kb 01/25/10 0.092 avi 1 4-Nitroaniline <0.092 mg/kg dry 0.092 01/22/10 kb 01/25/10 avi 1 4,6-Dinitro-2-methylphenol <0.19 mg/kg dry 01/22/10 01/25/10 kb avl 0.19 1 N-Nitrosodiphenylamine <0.092 mg/kg dry 0.092 01/22/10 kb 01/25/10 avl <0.092 mg/kg dry 1 4-Bromophenyl phenyl ether 01/22/10 kb 01/25/10 avl 0.092 1 Hexachlorobenzene <0.092 mg/kg dry 0.092 01/22/10 kb 01/25/10 avl Pentachlorophenol <0.40 mg/kg dry 1 01/22/10 kb 01/25/10 0.40 avl Phenanthrene 0.13 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.036 <0.092 mg/kg dry 1 01/22/10 01/25/10 Anthracene kb avl 0.092 <0.092 mg/kg dry 1 01/25/10 Carbazole 0.092 01/22/10 kb avi Di-n-butyl phthalate <0.092 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.092 0.098 mg/kg dry **Fluoranthene** 0.036 1 01/22/10 kb 01/25/10 avi Pyrene <0.092 mg/kg dry 1 01/22/10 kb 01/25/10 avi 0.092 Butyl benzyl phthalate <0.092 mg/kg dry 0.092 1 01/22/10 kb 01/25/10 avl 0.039 mg/kg dry Benzo (a) anthracene 1 01/22/10 kb 01/25/10 avl 0.036 Chrysene 0.063 mg/kg dry 1 01/22/10 kb 01/25/10 0.036 avi 3,3'-Dichlorobenzidine < 0.73 mg/kg dry 1 01/22/10 kb 01/25/10 avi Ν 0.73 Bis(2-ethylhexyl)phthalate 1 01/22/10 kb 01/25/10 1.4 mg/kg dry 0.092 avi Di-n-octyl phthalate <0.092 mg/kg dry 1 01/22/10 kb 01/25/10 avi 0.092 Benzo (b) fluoranthene 0.044 mg/kg dry 01/25/10 0.036 1 01/22/10 kb avi Benzo (k) fluoranthene <0.036 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.036 <0.036 mg/kg dry Benzo (a) pyrene 1 01/22/10 kb 01/25/10 avi 0.036

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0.054 mg/kg dry

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0.036

1

01/22/10

kb

01/25/10

avi

Indeno (1,2,3-cd) pyrene



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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-01 Sample ID: SS-19HS1-10-1			Collected: Received:	01/21/10 10 01/22/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	вү	NOTES	MC
SEMI-VOLATILE ORGANIC CO	MPOUNDS BY GC-MS								
Dibenz (a,h) anthracene	<0.036 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avl		
Benzo (g,h,i) perylene	<0.036 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avl		
Surrogates:									
2-Fluorophenol	51 %	38-81	1	01/22/10	kb	01/25/10	avl		
Phenol-d5	57 %	32-102	1	01/22/10	kb	01/25/10	avi		
Nitrobenzene-d5	71 %	36-98	1	01/22/10	kb	01/25/10	avi		
2-Fluorobiphenyl	65 %	44-105	1	01/22/10	kb	01/25/10	avl		
2,4,6-Tribromophenol	55 %	38-101	1	01/22/10	kb	01/25/10	avl		
Terphenyl-d14	69 %	46-109	1	01/22/10	kb	01/25/10	avl		
PESTICIDES/PCBS									
Analysis Method: EPA 8082									
Batch: T014534									
Aroclor-1016	<0.073 mg/kg dry	0.073	1	01/22/10	kb	01/22/10	tim		
Aroclor-1221	<0.073 mg/kg dry	0.073	1	01/22/10	kb	01/22/10	tim		
Aroclor-1232	<0.073 mg/kg dry	0.073	1	01/22/10	kb	01/22/10	tim		
Aroclor-1242	<0.073 mg/kg dry	0.073	1	01/22/10	kb	01/22/10	tim		
Aroclor-1248	<0.073 mg/kg dry	0.073	1	01/22/10	kb	01/22/10	tim		
Aroclor-1254	0.21 mg/kg dry	0.073	1	01/22/10	kb	01/25/10	tim		
Aroclor-1260	<0.073 mg/kg dry	0.073	1	01/22/10	kb	01/22/10	tim		
Surrogates:									
Tetrachloro-m-xylene	49 %	40-113	1	01/22/10	kb	01/22/10	tim	N	
Decachlorobiphenyl	48 %	32-111	1	01/22/10	kb	01/22/10	tim	N	
METALS, TOTAL									
Analysis Method: EPA 6010B									
Batch: T014539									
Barium	56 mg/kg dry	1.0	1	01/25/10	jd	01/25/10	jn		
Cadmium	<0.20 mg/kg dry	0.20	1	01/25/10	jd jd	01/25/10	jn		
Chromium	9.4 mg/kg dry	1.0	1	01/25/10	jd	01/25/10	jn		
Copper	23 mg/kg dry	1.0	1	01/25/10	jd jd	01/25/10	jn		
Lead	22 mg/kg dry	1.0	1	01/25/10	jd jd	01/25/10	jn		
Nickel	20 mg/kg dry	1.0	1	01/25/10	jd	01/25/10	jn		
Vanadium	18 mg/kg dry	1.0	1		jm	02/12/10	jlm		
Zinc	33 mg/kg dry	1.0	1	01/25/10	jd	01/25/10	jn.		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

	•				-				
Trace ID: T10A182-01		Date	Collected:	01/21/10 10	:10	Matrix:	Soil		
Sample ID: SS-19HS1-10-1		Date	Received:	01/22/10 10	:41				
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 6020									
Batch: T014539									
Arsenic	6.4 mg/kg dry	0.10	10	01/25/10	jd	01/25/10	jn		
Selenium	2.2 mg/kg dry	0.20	10	01/25/10	jd	01/25/10	jn		
Silver	<0.10 mg/kg dry	0.10	10	01/25/10	jd	01/25/10	jn		
Analysis Method: EPA 7471A									
Batch: T014539									
Mercury	0.29 mg/kg dry	0.030	1	01/25/10	jd	01/25/10	jn		
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014537									
% Solids	90 % by Wt.	0.10	1	01/22/10	sm	01/22/10	jd	N	



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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Date Collected: T10A182-02 01/21/10 10:30 Matrix: Soil Sample ID: SS-19HS1-10-2 Date Received: 01/22/10 10:41 **RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY MCL **PARAMETERS NOTES**

VOLATILE ORGANIC COMPOUNDS BY GC-MS

VOLATILE ORGANIC COMPOU	INDS BY GC-MS							
Analysis Method: EPA 8260B								
Batch: T014550								
Dichlorodifluoromethane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
Chloromethane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
Vinyl chloride	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	N
Bromomethane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
Chloroethane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
Trichlorofluoromethane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
Acrolein	<0.044 mg/kg dry	0.044	1	01/25/10	jp	01/25/10	jp	N
Diethyl ether	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	N
1,1-Dichloroethene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
Acetone	<0.044 mg/kg dry	0.044	1	01/25/10	jp	01/25/10	jp	
Iodomethane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	N
Carbon disulfide	<0.022 mg/kg dry	0.022	1,	01/25/10	jp	01/25/10	jp	
Methyl-tert-butyl ether	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
Methylene chloride	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
Acrylonitrile	<0.044 mg/kg dry	0.044	1	01/25/10	jp	01/25/10	jp	N
trans-1,2-Dichloroethene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
1,1-Dichloroethane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
Diisopropyl Ether	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	N
2-Butanone	<0.044 mg/kg dry	0.044	1	01/25/10	jp	01/25/10	jp	
cis-1,2-Dichloroethene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
t-Butyl Ethyl Ether	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	N
Bromochloromethane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
Tetrahydrofuran	<0.018 mg/kg dry	0.018	1	01/25/10	jp	01/25/10	jp	N
Chloroform	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
1,1,1-Trichloroethane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
Carbon tetrachloride	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
Benzene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
t-Amyl Methyl Ether	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	N
1,2-Dichloroethane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
Cyclohexane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	N
Trichloroethene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
1,2-Dichloropropane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
Dibromomethane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
Bromodichloromethane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	
cis-1,3-Dichloropropene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-02 Sample ID: SS-19HS1-10-2			Collected: Received:	01/21/10 10: 01/22/10 10:		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
VOLATILE ORGANIC COMPOU	NDS BY GC-MS		·						
4-Methyl-2-pentanone	<0.044 mg/kg dry	0.044	1	01/25/10	jp	01/25/10	jp		
Toluene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
trans-1,3-Dichloropropene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
1,1,2-Trichloroethane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
Tetrachloroethene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
2-Hexanone	<0.044 mg/kg dry	0.044	1	01/25/10	jp	01/25/10	jp		
Dibromochloromethane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
1,2-Dibromoethane (EDB)	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
Chlorobenzene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
1,1,1,2-Tetrachloroethane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
Ethylbenzene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
m,p-Xylene	<0.0088 mg/kg dry	0.0088	1	01/25/10	jp	01/25/10	jp	N	
o-Xylene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	N	
Xylenes, total	<0.013 mg/kg dry	0.013	1	01/25/10	jp	01/25/10	jp	N	
Styrene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp₁		
Bromoform	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
Isopropylbenzene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
1,1,2,2-Tetrachloroethane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
1,2,3-Trichloropropane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
trans-1,4-Dichloro-2-butene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
Bromobenzene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
n-Propylbenzene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
1,3,5-Trimethylbenzene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
t-Butyl Benzene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
1,2,4-Trimethylbenzene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
sec-Butylbenzene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
p-Isopropyltoluene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
1,3-Dichlorobenzene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
1,4-Dichlorobenzene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
n-Butylbenzene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
1,2,3-Trimethylbenzene	<0.00088 mg/kg dry	0.00088	1	01/25/10	jp	01/25/10	jp	N	
1,2-Dichlorobenzene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
1,2-Dibromo-3-chloropropane	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
Hexachloroethane	<0.00088 mg/kg dry	0.00088	1	01/25/10	jp	01/25/10	jp	N	
1,2,4-Trichlorobenzene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		
Naphthalene	0.016 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp	N	
1,2,3-Trichlorobenzene	<0.0044 mg/kg dry	0.0044	1	01/25/10	jp	01/25/10	jp		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10A182-02 SS-19HS1-10-2			Collected: Received:	01/21/10 10		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED) BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUN	NDS BY GC-MS		,						
Surrogate	es:									
1,2-Dict	hloroethane-d4	94 %	71-131	1	01/25/10	jp	01/25/10	jp		
Toluene	e-d8	98 %	70-130	1	01/25/10	jp	01/25/10	jp		
4-Brome	ofluorobenzene	97 %	65-122	1	01/25/10	jp	01/25/10	jp		
1,2-Dich	nlorobenzene-d4	96 %	54-134	1	01/25/10	jр	01/25/10	jp		
SEMI-VOL	ATILE ORGANIC CON	IPOUNDS BY GC-MS								
-	ethod: EPA 8270C									
Batch:		10.074		•	04/00/40		04/05/40			
-	proethyl)ether	<0.071 mg/kg dry	0.071	2	01/22/10	kb	01/25/10	avl		
2-Chlorop	phenol	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
Phenol		<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
	probenzene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
•	probenzene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
	probenzene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avi		
Benzyl ald		<1.4 mg/kg dry	1.4	2	01/22/10	kb	01/25/10	avl		
	proisopropyl)ether	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
2-Methylp	henol (o-Cresol)	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
3,4-Methy	riphenol (m,p Cresol)	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
N-Nitroso	di-n-propylamine	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
Hexachlor	roethane	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avi		
Nitrobenze	ene	<0.071 mg/kg dry	0.071	2	01/22/10	kb	01/25/10	avl		
Isophoron	е	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
2-Nitrophe	enol	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
2,4-Dimet	hylphenol	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
Bis(2-chlo	roethoxy)methane	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avi		
Benzoic a	cid	<2.6 mg/kg dry	2.6	2	01/22/10	kb	01/25/10	avl		
1,2,4-Tricl	hlorobenzene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
2,4-Dichlo	rophenol	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avi		
Naphthale	ene	0.24 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
4-Chloroa		<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
	obutadiene	<0.071 mg/kg dry	0.071	2	01/22/10	kb	01/25/10	avl		
	3-methylphenol	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avi		
2-Methyln:	aphthalene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
•	ocyclopentadiene	<0.36 mg/kg dry	0.36	2	01/22/10	kb	01/25/10	avl		
	hlorophenol	<0.071 mg/kg dry	0.071	2	01/22/10	kb	01/25/10	avl		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-02 Sample ID: SS-19HS1-10-2			Collected: Received:	01/21/10 10 01/22/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
SEMI-VOLATILE ORGANIC CO	MPOUNDS BY GC-MS								
2,4,5-Trichlorophenol	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
2-Chloronaphthalene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
2-Nitroaniline	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avi		
Dimethyl phthalate	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
Acenaphthylene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
2,6-Dinitrotoluene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
3-Nitroaniline	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avi		
Acenaphthene	0.19 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
Dibenzofuran	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
2,4-Dinitrotoluene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
4-Nitrophenol	<1.4 mg/kg dry	1.4	2	01/22/10	kb	01/25/10	avl		
2,4-Dinitrophenol	<1.4 mg/kg dry	1.4	2	01/22/10	kb	01/25/10	avl		
Diethyl phthalate	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
Fluorene	0.22 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
4-Chlorophenyl phenyl ether	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
4-Nitroaniline	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
4,6-Dinitro-2-methylphenol	<0.36 mg/kg dry	0.36	2	01/22/10	kb	01/25/10	avl		
N-Nitrosodiphenylamine	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
4-Bromophenyl phenyl ether	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
Hexachlorobenzene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
Pentachlorophenol	<0.77 mg/kg dry	0.77	2	01/22/10	kb	01/25/10	avl		
Phenanthrene	1.4 mg/kg dry	0.071	2	01/22/10	kb	01/25/10	avl		
Anthracene	0.36 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
Carbazole	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
Di-n-butyl phthalate	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
Fluoranthene	1.3 mg/kg dry	0.071	2	01/22/10	kb	01/25/10	avl		
Pyrene	1.1 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
Butyl benzyl phthalate	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
Benzo (a) anthracene	0.55 mg/kg dry	0.071	2	01/22/10	kb	01/25/10	avl		
Chrysene	0.51 mg/kg dry	0.071	2	01/22/10	kb	01/25/10	avl		
3,3'-Dichlorobenzidine	<1.4 mg/kg dry	1.4	2	01/22/10	kb	01/25/10	avl	N	
Bis(2-ethylhexyl)phthalate	1.6 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
Di-n-octyl phthalate	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/25/10	avl		
Benzo (b) fluoranthene	0.64 mg/kg dry	0.071	2	01/22/10	kb	01/25/10	avi		
Benzo (k) fluoranthene	0.24 mg/kg dry	0.071	2	01/22/10	kb	01/25/10	avi		
Benzo (a) pyrene	0.48 mg/kg dry	0.071	2	01/22/10	kb	01/25/10	avl		
Indeno (1,2,3-cd) pyrene	0.25 mg/kg dry	0.071	2	01/22/10	kb	01/25/10	avl		

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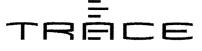
ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10A182-02 SS-19HS1-10-2	·		Collected: Received:	01/21/10 10 01/22/10 10		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
SEMI-VOL	ATILE ORGANIC COI	MPOUNDS BY GC-MS								
Dibenz (a	ı,h) anthracene	0.10 mg/kg dry	0.071	2	01/22/10	kb	01/25/10	avi		
Benzo (g	,h,i) perylene	0.14 mg/kg dry	0.071	2	01/22/10	kb	01/25/10	avl		
Surrogate	es:									
2-Fluoro	phenol	72 %	38-81	2	01/22/10	kb	01/25/10	avl		
Phenol-		76 %	32-102	2	01/22/10	kb	01/25/10	avl		
Nitrober	nzene-d5	79 %	36-98	2	01/22/10	kb	01/25/10	avi		
2-Fluoro	biphenyl	75 %	44-105	2	01/22/10	kb	01/25/10	avl		
2,4,6-Tr	ibromophenol	83 %	38-101	2	01/22/10	kb	01/25/10	avl		
Terphen	yl-d14	92 %	46-109	2	01/22/10	kb	01/25/10	avl		
PESTICIDE	S/PCBS									
Analysis Me	thod: <u>EPA 8082</u>									
Batch: 1										
Aroclor-10	016	<0.071 mg/kg dry	0.071	1	01/22/10	kb	01/22/10	tim		
Aroclor-12	221	<0.071 mg/kg dry	0.071	1	01/22/10	kb	01/22/10	tim		
Aroclor-12	232	<0.071 mg/kg dry	0.071	1	01/22/10	kb	01/22/10	tim		
Aroclor-12	242	<0.071 mg/kg dry	0.071	1	01/22/10	kb	01/22/10	tim		
Aroclor-12	248	<0.071 mg/kg dry	0.071	1	01/22/10	kb	01/22/10	tim		
Aroclor-12	254	<0.071 mg/kg dry	0.071	1	01/22/10	kb	01/22/10	tim		
Aroclor-12	260	<0.071 mg/kg dry	0.071	1	01/22/10	kb	01/22/10	tim		
Surrogate	es:									
_	oro-m-xylene	75 %	40-113	1	01/22/10	kb	01/22/10	tim	N	
Decachle	orobiphenyl	66 %	32-111	1	01/22/10	kb	01/22/10	tim	N	
METALS, T	OTAL									
	thod: EPA 6010B									
Batch: T										
Barium	V 17003	27 mg/kg dry	0.96	1	01/25/10	jd	01/25/10	jn		
Cadmium		0.29 mg/kg dry	0.96	1	01/25/10	jd jd	01/25/10	jn		
Chromiun		8.7 mg/kg dry	0.19	1	01/25/10	jd	01/25/10	jn		
Copper	•	12 mg/kg dry	0.96	1	01/25/10	jd	01/25/10	jn		
Lead		16 mg/kg dry	0.96	1	01/25/10	jd	01/25/10	jn		
Nickel		8.5 mg/kg dry	0.96	1	01/25/10	jd jd	01/25/10	jn		
Vanadium	•	18 mg/kg dry	0.96	1	01/25/10	ju jm	02/12/10	ייر jlm		
Zinc	ı	44 mg/kg dry	0.96	1	01/25/10	jd	01/25/10	jn		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T1	0A182-02		Date	Collected:	01/21/10 10	:30	Matrix:	Soil		
Sample ID: SS	S-19HS1-10-2		Date	Received:	01/22/10 10	:41				
PARAMETERS		RESULTS UNITS	RDL	DILUTION	PREPARED	ВҮ	ANALYZED	вү	NOTES	MCL
METALS, TOT	AL									
Analysis Method	d: EPA 6020									
Batch: T014	1539									
Arsenic		2.4 mg/kg dry	0.096	10	01/25/10	jd	01/25/10	jn		
Selenium		0.22 mg/kg dry	0.19	10	01/25/10	jd	01/25/10	jn		
Silver		<0.097 mg/kg dry	0.097	10	01/25/10	jd	01/25/10	jn		
Analysis Method	d: EPA 7471A									
Batch: T014	1539									
Mercury		0.080 mg/kg dry	0.029	1	01/25/10	jd	01/25/10	jn		
WET CHEMIST	ΓRY									
Analysis Method	d: % Calculation									
Batch: T014	537									
% Solids		93 % by Wt.	0.10	1	01/22/10	sm	01/22/10	jd	N	

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Date Collected: T10A182-03 01/21/10 10:45 Matrix: Soil Sample ID: SS-19HS1-10-3 Date Received: 01/22/10 10:41 **RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY NOTES **PARAMETERS** MCL

VOLATILE ORGANIC COMPOUNDS BY GC-MS

Analysis Method: EPA 8260B								
Batch: T014550								
Dichlorodifluoromethane	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
Chloromethane	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
Vinyl chloride	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	N
Bromomethane	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
Chloroethane	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
Trichlorofluoromethane	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
Acrolein	<0.022 mg/kg dry	0.022	1	01/25/10	jp	01/25/10	jp	N
Diethyl ether	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	N
1,1-Dichloroethene	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
Acetone	<0.022 mg/kg dry	0.022	1	01/25/10	jp	01/25/10	jp	
Iodomethane	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	N
Carbon disulfide	<0.011 mg/kg dry	0.011	1	01/25/10	jp	01/25/10	jp	
Methyl-tert-butyl ether	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
Methylene chloride	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
Acrylonitrile	<0.022 mg/kg dry	0.022	1	01/25/10	jp	01/25/10	jp	N
trans-1,2-Dichloroethene	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
1,1-Dichloroethane	<0.0022 mg/kg dry	0.0022	1 .	01/25/10	jp	01/25/10	jp	
Diisopropyl Ether	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	N
2-Butanone	<0.022 mg/kg dry	0.022	1	01/25/10	jp	01/25/10	jp	
cis-1,2-Dichloroethene	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
t-Butyl Ethyl Ether	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	Ν
Bromochloromethane	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
Tetrahydrofuran	<0.0088 mg/kg dry	0.0088	1	01/25/10	jp	01/25/10	jp	N
Chloroform	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
1,1,1-Trichloroethane	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
Carbon tetrachloride	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
Benzene	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
t-Amyl Methyl Ether	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	N
1,2-Dichloroethane	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
Cyclohexane	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	N
Trichloroethene	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
1,2-Dichloropropane	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
Dibromomethane	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
Bromodichloromethane	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	
	<0.0022 mg/kg dry	0.0022	1	01/25/10	jp	01/25/10	jp	

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Date Collected: T10A182-03 01/21/10 10:45 Matrix: Soil Sample ID: SS-19HS1-10-3 Date Received: 01/22/10 10:41 **PARAMETERS RESULTS UNITS RDL** DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** <0.022 mg/kg dry 1 01/25/10 01/25/10 4-Methyl-2-pentanone 0.022 jp jp <0.0022 mg/kg dry 01/25/10 01/25/10 Toluene 0.0022 1 jp jp 01/25/10 01/25/10 trans-1,3-Dichloropropene <0.0022 mg/kg dry 0.0022 1 įр jp 1.1.2-Trichloroethane <0.0022 mg/kg dry 0.0022 1 01/25/10 jp 01/25/10 jp Tetrachloroethene <0.0022 mg/kg dry 1 01/25/10 01/25/10 jp jp 0.0022 <0.022 mg/kg dry 2-Hexanone 0.022 1 01/25/10 jp 01/25/10 jp 1 01/25/10 01/25/10 Dibromochloromethane <0.0022 mg/kg dry 0.0022 jp jp <0.0022 mg/kg dry 1 1,2-Dibromoethane (EDB) 01/25/10 jp 01/25/10 jp 0.0022 <0.0022 mg/kg dry 1 01/25/10 01/25/10 Chlorobenzene jp jp 0.0022 1,1,1,2-Tetrachloroethane <0.0022 mg/kg dry 1 01/25/10 01/25/10 0.0022 jp jр 1 Ethylbenzene <0.0022 mg/kg dry 01/25/10 01/25/10 0.0022 jp jp m,p-Xylene <0.0044 mg/kg dry 0.0044 1 01/25/10 jp 01/25/10 jp N <0.0022 mg/kg dry 1 01/25/10 Ν o-Xylene 0.0022 jp 01/25/10 jp 1 Xylenes, total <0.0066 mg/kg dry 0.0066 01/25/10 jp 01/25/10 jp N Styrene <0.0022 mg/kg dry 1 01/25/10 01/25/10 jp 0.0022 jp **Bromoform** <0.0022 mg/kg dry 1 01/25/10 01/25/10 0.0022 jp jp <0.0022 mg/kg dry 1 01/25/10 01/25/10 Isopropylbenzene 0.0022 jp jp 1,1,2,2-Tetrachloroethane <0.0022 mg/kg dry 1 01/25/10 jp 01/25/10 jp 0.0022 01/25/10 1,2,3-Trichloropropane <0.0022 mg/kg dry 0.0022 1 jp 01/25/10 jp trans-1.4-Dichloro-2-butene <0.0022 mg/kg dry 1 01/25/10 jp 01/25/10 jp 0.0022 Bromobenzene <0.0022 mg/kg dry 1 01/25/10 jp 01/25/10 0.0022 jp <0.0022 mg/kg dry 1 01/25/10 01/25/10 n-Propylbenzene 0.0022 jp jp <0.0022 mg/kg dry 1 01/25/10 01/25/10 1,3,5-Trimethylbenzene jp jp 0.0022 t-Butyl Benzene <0.0022 mg/kg dry 1 01/25/10 01/25/10 jp jp 0.0022 1 1,2,4-Trimethylbenzene <0.0022 mg/kg dry 01/25/10 jp 01/25/10 jp 0.0022 <0.0022 mg/kg dry 1 01/25/10 01/25/10 sec-Butylbenzene 0.0022 jp jp 1 <0.0022 mg/kg dry 01/25/10 01/25/10 p-Isopropyltoluene 0.0022 jp jp <0.0022 mg/kg dry 1 01/25/10 01/25/10 1,3-Dichlorobenzene jp jp 0.0022 <0.0022 mg/kg dry 1 1,4-Dichlorobenzene 0.0022 01/25/10 jp 01/25/10 jp n-Butylbenzene <0.0022 mg/kg dry 1 01/25/10 jp 01/25/10 0.0022 jp 1,2,3-Trimethylbenzene <0.00044 mg/kg dry 1 01/25/10 jp 01/25/10 jp Ν 0.00044 1,2-Dichlorobenzene <0.0022 mg/kg dry 1 01/25/10 01/25/10 0.0022 jp jp 1,2-Dibromo-3-chloropropane <0.0022 mg/kg dry 1 01/25/10 01/25/10 0.0022 jp jp <0.00044 mg/kg dry 01/25/10 01/25/10 Hexachloroethane 0.00044 1 jp jp Ν 1,2,4-Trichlorobenzene <0.0022 mg/kg dry 0.0022 1 01/25/10 jp 01/25/10 jp 0.0027 mg/kg dry Naphthalene 1 01/25/10 01/25/10 Ν 0.0022 jp jp 1,2,3-Trichlorobenzene <0.0022 mg/kg dry 01/25/10 qi 01/25/10 įр

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10A182-03 SS-19HS1-10-3			Collected: Received:	01/21/10 10 01/22/10 10		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOU	NDS BY GC-MS								
Surrogate	es:									
1,2-Dich	nloroethane-d4	95 %	71-131	1	01/25/10	jp	01/25/10	jp		
Toluene	e-d8	99 %	70-130	1	01/25/10	jp	01/25/10	jp		
4-Bromo	ofluorobenzene	97 %	65-122	1	01/25/10	jp	01/25/10	jp		
1,2-Dich	nlorobenzene-d4	94 %	54-134	1	01/25/10	jp	01/25/10	jp		
SEMI-VOL	ATILE ORGANIC COM	MPOUNDS BY GC-MS								
Analysis Me	ethod: EPA 8270C F014533									
Bis(2-chlo	roethyl)ether	<0.035 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
2-Chlorop	henol	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Phenol		<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avi		
1,3-Dichlo	robenzene	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avi		
1,4-Dichlo	robenzene	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
1,2-Dichlo	robenzene	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avi		
Benzyl ald	cohol	<0.69 mg/kg dry	0.69	1	01/22/10	kb	01/25/10	avl		
Bis(2-chlo	roisopropyl)ether	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avi		
2-Methylp	henol (o-Cresol)	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
3,4-Methy	iphenol (m,p Cresol)	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
N-Nitrosoc	di-n-propylamine	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Hexachlor	oethane	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Nitrobenze	ene	<0.035 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
Isophoron	е	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
2-Nitrophe	enol	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avi		
2,4-DimetI	hylphenol	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Bis(2-chlo	roethoxy)methane	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Benzoic a	cid	<1.3 mg/kg dry	1.3	1	01/22/10	kb	01/25/10	avi		
1,2,4-Trich	nlorobenzene	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avi		
2,4-Dichlo	rophenol	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Naphthale	ne	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avi		
4-Chloroai	niline	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avi		
Hexachlor	obutadiene	<0.035 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
4-Chloro-3	-methylphenol	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
2-Methylna	aphthalene	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
	ocyclopentadiene	<0.18 mg/kg dry	0.18	1	01/22/10	kb	01/25/10	avl		
	lorophenol	<0.035 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10A182-03 SS-19HS1-10-3			Collected: Received:	01/21/10 10 01/22/10 10		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
SEMI-VOL	ATILE ORGANIC COM	IPOUNDS BY GC-MS	_							
2,4,5-Tric	hlorophenol	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
2-Chloron	aphthalene	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
2-Nitroani	line	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Dimethyl	phthalate	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Acenapht	hylene	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
2,6-Dinitro	otoluene	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
3-Nitroani	line	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Acenapht	hene	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Dibenzofu	ıran	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
2,4-Dinitro	otoluene	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
4-Nitrophe	enol	<0.70 mg/kg dry	0.70	1	01/22/10	kb	01/25/10	avi		
2,4-Dinitro	phenol	<0.70 mg/kg dry	0.70	1	01/22/10	kb	01/25/10	avl		
Diethyl ph	thalate	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Fluorene		<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
4-Chlorop	henyl phenyl ether	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
4-Nitroani	line	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
4,6-Dinitro	o-2-methylphenol	<0.18 mg/kg dry	0.18	1	01/22/10	kb	01/25/10	avl		
N-Nitrosoc	diphenylamine	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
4-Bromop	henyl phenyl ether	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Hexachlor	obenzene	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Pentachlo	rophenol	<0.38 mg/kg dry	0.38	1	01/22/10	kb	01/25/10	avl		
Phenanth	rene	0.56 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
Anthracer	ne	0.14 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avi		
Carbazole		<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Di-n-butyl	phthalate	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Fluoranth	ene	0.62 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
Pyrene		0.53 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Butyl benz	yl phthalate	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avi		
Benzo (a)	anthracene	0.26 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
Chrysene		0.25 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
3,3'-Dichlo	robenzidine	<0.69 mg/kg dry	0.69	1	01/22/10	kb	01/25/10	avl	N	
Bis(2-ethy	lhexyl)phthalate	0.70 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Di-n-octyl	phthalate	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Benzo (b)	fluoranthene	0.35 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
Benzo (k)	fluoranthene	0.14 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
Benzo (a)	pyrene	0.23 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avi		
Indeno (1,	2,3-cd) pyrene	0.11 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-03 Sample ID: SS-19HS1-10-3			Collected: Received:	01/21/10 10 01/22/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	вч	NOTES	MCI
SEMI-VOLATILE ORGANIC CO	MPOUNDS BY GC-MS								
Dibenz (a,h) anthracene	0.047 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
Benzo (g,h,i) perylene	0.054 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avi		
Surrogates:									
2-Fluorophenol	55 %	38-81	1	01/22/10	kb	01/25/10	avl		
Phenol-d5	59 %	32-102	1	01/22/10	kb	01/25/10	avl		
Nitrobenzene-d5	60 %	36-98	1	01/22/10	kb	01/25/10	avi		
2-Fluorobiphenyl	62 %	44-105	1	01/22/10	kb	01/25/10	avi		
2,4,6-Tribromophenol	71 %	38-101	1	01/22/10	kb	01/25/10	avl		
Terphenyl-d14	79 %	46-109	1	01/22/10	kb	01/25/10	avl		
PESTICIDES/PCBS									
Analysis Method: EPA 8082									
Batch: T014534									
Aroclor-1016	<0.069 mg/kg dry	0.069	1	01/22/10	kb	01/22/10	tim		
Aroclor-1221	<0.069 mg/kg dry	0.069	1	01/22/10	kb	01/22/10	tim		
Aroclor-1232	<0.069 mg/kg dry	0.069	1	01/22/10	kb	01/22/10	tim		
Aroclor-1242	0.076 mg/kg dry	0.069	1	01/22/10	kb	01/25/10	tim		
Aroclor-1248	<0.069 mg/kg dry	0.069	1	01/22/10	kb	01/22/10	tim		
Aroclor-1254	<0.069 mg/kg dry	0.069	1	01/22/10	kb	01/22/10	tim		
Aroclor-1260	<0.069 mg/kg dry	0.069	1	01/22/10	kb	01/25/10	tim		
Surrogates:									
Tetrachloro-m-xylene	91 %	40-113	1	01/22/10	kb	01/22/10	tim	N	
Decachlorobiphenyl	81 %	32-111	1	01/22/10	kb	01/22/10	tim	N	
METALS, TOTAL									
Analysis Method: EPA 6010B									
Batch: T014539									
Barium	27 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		
Cadmium	<0.20 mg/kg dry	0.20	1	01/25/10	jd	01/25/10	jn		
Chromium	8.5 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		
Copper	13 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		
Lead	11 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		
Nickel	9.0 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		
Vanadium	18 mg/kg dry	0.99	1	01/25/10	jm	02/12/10	jlm		
Zinc	36 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		

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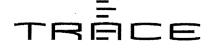
ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-03 Sample ID: SS-19HS1-10-3			Collected: Received:	01/21/10 10 01/22/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 6020									
Batch: T014539									
Arsenic	2.5 mg/kg dry	0.099	10	01/25/10	jd	01/25/10	jn		
Selenium	<0.20 mg/kg dry	0.20	10	01/25/10	jd	01/25/10	jn		
Silver	<0.098 mg/kg dry	0.098	10	01/25/10	jd	01/25/10	jn		
Analysis Method: EPA 7471A									
Batch: T014539									
Mercury	0.042 mg/kg dry	0.030	1	01/25/10	jd	01/25/10	jn		
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014537									
% Solids	95 % by Wt.	0.10	1	01/22/10	sm	01/22/10	jd	N	

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

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Trace ID: T10A182-04 Date Collected: 01/21/10 11:00 Matrix: Soil Sample ID: SS-19HS1-10-4 Date Received: 01/22/10 10:41 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED **NOTES** MCL

OMPOUNDS BY GC-MS							
<u>80B</u>							
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	N
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.043 mg/kg dry	0.043	1	01/25/10	jp	01/25/10	jp	N
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	N
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.043 mg/kg dry	0.043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	N
<0.021 mg/kg dry	0.021	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.043 mg/kg dry	0.043	1	01/25/10	jp	01/25/10	jp	N
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	N
<0.043 mg/kg dry	0.043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	N
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.017 mg/kg dry	0.017	1	01/25/10	jp	01/25/10	jp	N
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	N
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	N
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
<0.0043 mg/kg dry	0.0043	1	01/25/10	jp	01/25/10	jp	
	 <0.0043 mg/kg dry 	 <0.0043 mg/kg dry <0.0043 mg/k	 <0.0043 mg/kg dry <0.0043 1 <0.0043 mg/kg dry <0.0043 1 <0.0043 mg/kg dry <0.0043 1 <0.0043 mg/kg dry <0.0043 <0.0043 mg/kg dry <	 <0.0043 mg/kg dry <0.0043 mg/kg dry <0.0043 1 <0.1/25/10 <0.0043 mg/kg dry <0.	 <0.0043 mg/kg dry <0.0043 mg/k	 <0.0043 mg/kg dry <0.0043 1 <0.1/25/10 jp <0.1/25/10 <0.0043 mg/kg dry <0.0043 1 <0.1/25/10 jp <0.1/25/10 <0.0043 mg/kg dry <0.0043 <0.0045 mg/kg dry<!--</td--><td> <0.0043 mg/kg dry <0.0043 mg/kg dry <0.0043 1 01/25/10 jp 01/25/10 jp 01/25/10 jp 0.0043 mg/kg dry <0.0043 mg/kg dry <0.0043 1 01/25/10 jp 01/25/10 jp 01/25/10 jp 0.0043 mg/kg dry <0.0043 mg/kg dry <0.0043 1 01/25/10 jp 01/25/10 jp 01/25/10 jp 0.0043 mg/kg dry <0.0043 mg/kg dry <0.0043 1 01/25/10 jp 01/25/10 jp 01/25/10 jp 0.0043 mg/kg dry <0.0043 mg/kg dry <0.0043 mg/kg dry <0.0043 1 01/25/10 jp 00/25/10 jp 00/25/10 jp 00/25/10 jp 00/25/10 jp 00/25/10 jp 00</td>	 <0.0043 mg/kg dry <0.0043 mg/kg dry <0.0043 1 01/25/10 jp 01/25/10 jp 01/25/10 jp 0.0043 mg/kg dry <0.0043 mg/kg dry <0.0043 1 01/25/10 jp 01/25/10 jp 01/25/10 jp 0.0043 mg/kg dry <0.0043 mg/kg dry <0.0043 1 01/25/10 jp 01/25/10 jp 01/25/10 jp 0.0043 mg/kg dry <0.0043 mg/kg dry <0.0043 1 01/25/10 jp 01/25/10 jp 01/25/10 jp 0.0043 mg/kg dry <0.0043 mg/kg dry <0.0043 mg/kg dry <0.0043 1 01/25/10 jp 00/25/10 jp 00/25/10 jp 00/25/10 jp 00/25/10 jp 00/25/10 jp 00

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

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Date Collected: Trace ID: T10A182-04 01/21/10 11:00 Matrix: Soil Sample ID: Date Received: SS-19HS1-10-4 01/22/10 10:41 **RESULTS UNITS RDL** DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **PARAMETERS VOLATILE ORGANIC COMPOUNDS BY GC-MS** <0.043 mg/kg dry 01/25/10 01/25/10 4-Methyl-2-pentanone 0.043 1 jp jp <0.0043 mg/kg dry Toluene 1 01/25/10 jp 01/25/10 jp 0.0043 1 trans-1,3-Dichloropropene <0.0043 mg/kg dry 01/25/10 jp 01/25/10 jp 0.0043 1,1,2-Trichloroethane <0.0043 mg/kg dry 1 01/25/10 01/25/10 0.0043 jp jp Tetrachioroethene <0.0043 mg/kg dry 1 01/25/10 01/25/10 0.0043 jp jp 2-Hexanone <0.043 mg/kg dry 1 01/25/10 01/25/10 0.043 jp jp Dibromochloromethane <0.0043 mg/kg dry 1 01/25/10 01/25/10 0.0043 įр įр <0.0043 mg/kg dry 1 01/25/10 01/25/10 1,2-Dibromoethane (EDB) jp jp 0.0043 Chlorobenzene <0.0043 mg/kg dry 0.0043 1 01/25/10 jp 01/25/10 jp 1.1.1.2-Tetrachloroethane <0.0043 mg/kg dry 1 01/25/10 01/25/10 jp 0.0043 jp <0.0043 mg/kg dry 1 01/25/10 01/25/10 Ethylbenzene 0.0043 jp jp <0.0085 mg/kg dry 1 01/25/10 01/25/10 m,p-Xylene 0.0085 jp jp N 1 01/25/10 <0.0043 mg/kg dry 01/25/10 Ν o-Xylene jp jp 0.0043 <0.013 mg/kg dry 1 01/25/10 01/25/10 Ν Xylenes, total 0.013 jp jp <0.0043 mg/kg dry Styrene 1 01/25/10 01/25/10 0.0043 jp jp 1 <0.0043 mg/kg dry 01/25/10 01/25/10 Bromoform 0.0043 jp jp 1 <0.0043 mg/kg dry 01/25/10 01/25/10 Isopropylbenzene 0.0043 jp jp 1 1,1,2,2-Tetrachloroethane <0.0043 mg/kg dry 0.0043 01/25/10 jp 01/25/10 jp 1 01/25/10 01/25/10 1,2,3-Trichloropropane <0.0043 mg/kg dry jp jp 0.0043 1 trans-1,4-Dichloro-2-butene <0.0043 mg/kg dry 0.0043 01/25/10 jp 01/25/10 jp Bromobenzene <0.0043 mg/kg dry 1 01/25/10 jp 01/25/10 jp 0.0043 n-Propylbenzene <0.0043 mg/kg dry 0.0043 1 01/25/10 jp 01/25/10 jp <0.0043 mg/kg dry 1 01/25/10 01/25/10 1,3,5-Trimethylbenzene jp jp 0.0043 <0.0043 mg/kg dry 1 01/25/10 01/25/10 t-Butyl Benzene 0.0043 jp jp 01/25/10 1,2,4-Trimethylbenzene <0.0043 mg/kg dry 1 01/25/10 jp jp 0.0043 sec-Butylbenzene <0.0043 mg/kg dry 1 01/25/10 jp 01/25/10 jp 0.0043 <0.0043 mg/kg dry 1 01/25/10 01/25/10 p-isopropyltoluene jp jp 0.0043 <0.0043 mg/kg dry 1,3-Dichlorobenzene 1 01/25/10 jp 01/25/10 jp 0.0043 <0.0043 mg/kg dry 1 01/25/10 01/25/10 1,4-Dichlorobenzene jp jp 0.0043 01/25/10 n-Butylbenzene <0.0043 mg/kg dry 1 01/25/10 0.0043 jp jp <0.00085 mg/kg dry 1 01/25/10 1,2,3-Trimethylbenzene 0.00085 01/25/10 jp jp Ν <0.0043 mg/kg dry 1 01/25/10 01/25/10 1,2-Dichlorobenzene 0.0043 jр jp <0.0043 mg/kg dry 1 01/25/10 01/25/10 1,2-Dibromo-3-chloropropane 0.0043 jp jp Hexachloroethane <0.00085 mg/kg dry 1 01/25/10 jp 01/25/10 jp Ν 0.00085 1 1,2,4-Trichlorobenzene <0.0043 mg/kg dry 01/25/10 jp 01/25/10 jp 0.0043 Naphthalene 0.0075 mg/kg dry 1 01/25/10 jp 01/25/10 jp Ν 0.0043 1,2,3-Trichlorobenzene <0.0043 mg/kg dry 0.0043 01/25/10 jp 01/25/10 jp

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10A182-04 SS-19HS1-10-4			Collected: Received:	01/21/10 11: 01/22/10 10:		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	вү	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOU	NDS BY GC-MS								
Surrogat										
1,2-Dicl	hloroethane-d4	94 %	71-131	1	01/25/10	jp	01/25/10	jp		
Toluene	e-d8	99 %	70-130	1	01/25/10	jp	01/25/10	jp		
4-Brom	ofluorobenzene	98 %	65-122	1	01/25/10	jp	01/25/10	jp		
1,2-Dicl	hlorobenzene-d4	95 %	54-134	1	01/25/10	jp	01/25/10	jp		
SEMI-VOL	ATILE ORGANIC COM	MPOUNDS BY GC-MS								
Analysis Me Batch:	ethod: EPA 8270C									
	proethyl)ether	<0.035 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
2-Chlorop		<0.087 mg/kg dry	0.033	1	01/22/10	kb	01/25/10	avi		
Phenol		<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
	probenzene	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
	probenzene	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
•	probenzene	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Benzyl ale		<0.70 mg/kg dry	0.70	1	01/22/10	kb	01/25/10	avi		
•	proisopropyl)ether	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
	henol (o-Cresol)	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avi		
	riphenol (m,p Cresol)	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
-	di-n-propylamine	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avi		
Hexachlor		<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
Nitrobenz		<0.035 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avi		
Isophoron		<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
2-Nitrophe		<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avi		
2,4-Dimet		<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avl		
	roethoxy)methane	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avi		
Benzoic a	- ·	<1.3 mg/kg dry	1.3	1		kb	01/25/10	avl		
	hlorobenzene	<0.087 mg/kg dry	0.087	1	01/22/10	kb	01/25/10	avi		
2,4-Dichlo		<0.087 mg/kg dry	0.087	1		kb	01/25/10	avl		
Naphthale	•	<0.087 mg/kg dry	0.087	1		kb	01/25/10	avl		
4-Chloroa		<0.087 mg/kg dry	0.087	1		kb	01/25/10	avl		
	obutadiene	<0.035 mg/kg dry	0.035	1		kb	01/25/10	avl		
	3-methylphenol	<0.087 mg/kg dry	0.033	1		kb	01/25/10	avl		
	aphthalene	<0.087 mg/kg dry	0.087	1		kb	01/25/10	avl		
_	ocyclopentadiene	<0.18 mg/kg dry	0.007	1		kb	01/25/10	avl		
Hexachior					~ ,,, ,		J			

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-04 Date Collected: 01/21/10 11:00 Matrix: Soil Sample ID: SS-19HS1-10-4 Date Received: 01/22/10 10:41 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY NOTES MCL SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS 2.4.5-Trichlorophenol <0.087 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.087 2-Chloronaphthalene <0.087 mg/kg dry 0.087 1 01/22/10 kb 01/25/10 avl 2-Nitroaniline <0.087 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.087 Dimethyl phthalate <0.087 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.087 <0.087 mg/kg dry 01/25/10 Acenaphthylene 1 01/22/10 kb avl 0.087 2,6-Dinitrotoluene <0.087 mg/kg dry 1 01/22/10 kb 01/25/10 avi 0.087 <0.087 mg/kg dry 1 01/22/10 01/25/10 3-Nitroaniline kh 0.087 avl Acenaphthene <0.087 mg/kg dry 1 01/22/10 kb 01/25/10 0.087 avi Dibenzofuran <0.087 mg/kg dry 1 01/22/10 kb 01/25/10 0.087 avl 2,4-Dinitrotoluene <0.087 mg/kg dry 1 01/22/10 01/25/10 0.087 kb avl 1 4-Nitrophenol <0.71 mg/kg dry 01/22/10 kb 01/25/10 avl 0.71 2,4-Dinitrophenol <0.71 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.71 Diethyl phthalate <0.087 mg/kg dry 0.087 1 01/22/10 kb 01/25/10 avi Fluorene <0.087 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.087 4-Chlorophenyl phenyl ether <0.087 mg/kg dry 1 01/22/10 kb 01/25/10 0.087 avl 4-Nitroaniline <0.087 mg/kg dry 1 01/22/10 01/25/10 0.087 kb avl 1 4.6-Dinitro-2-methylphenol <0.18 mg/kg dry 01/22/10 kb 01/25/10 avl 0.18 N-Nitrosodiphenylamine <0.087 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.087 4-Bromophenyl phenyl ether <0.087 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.087 Hexachlorobenzene <0.087 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.087 <0.38 mg/kg dry Pentachlorophenol 1 01/22/10 kb 01/25/10 avl 0.38 Phenanthrene 1 01/22/10 01/25/10 avi 0.050 mg/kg dry kb 0.035 Anthracene <0.087 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.087 Carbazole <0.087 mg/kg dry 1 01/22/10 kb 01/25/10 avi 0.087 <0.087 mg/kg dry 1 Di-n-butyl phthalate 01/22/10 kb 01/25/10 avl 0.087 **Fluoranthene** 0.048 mg/kg dry 1 01/22/10 01/25/10 0.035 kb avi 1 01/22/10 01/25/10 Pyrene <0.087 mg/kg dry kb 0.087 avi Butyl benzyl phthalate <0.087 mg/kg dry 1 01/22/10 kb 01/25/10 0.087 avl Benzo (a) anthracene <0.035 mg/kg dry 1 01/22/10 01/25/10 0.035 kb avl <0.035 mg/kg dry Chrysene 0.035 1 01/22/10 kb 01/25/10 avl 3,3'-Dichlorobenzidine < 0.70 mg/kg dry 1 01/22/10 kb 01/25/10 avi Ν 0.70 Bis(2-ethylhexyl)phthalate 0.87 mg/kg dry 1 01/22/10 kb 01/25/10 0.087 avl Di-n-octyl phthalate <0.087 mg/kg dry 0.087 1 01/22/10 kb 01/25/10 avl Benzo (b) fluoranthene <0.035 mg/kg dry 1 01/22/10 kb 01/25/10 avl 0.035 Benzo (k) fluoranthene <0.035 mg/kg dry 1 01/22/10 kb 01/25/10 0.035 avi Benzo (a) pyrene <0.035 mg/kg dry 1 01/22/10 kb 01/25/10 0.035 avl Indeno (1,2,3-cd) pyrene <0.035 mg/kg dry 01/22/10 kb 01/25/10 0.035 avi

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-04 Sample ID: SS-19HS1-10-4			Collected: Received:	01/21/10 11 01/22/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	ву	NOTES	МС
SEMI-VOLATILE ORGANIC CO	OMPOUNDS BY GC-MS								
Dibenz (a,h) anthracene	<0.035 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
Benzo (g,h,i) perylene	<0.035 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
Surrogates:									
2-Fluorophenol	53 %	38-81	1	01/22/10	kb	01/25/10	avi		
Phenol-d5	57 %	32-102	1	01/22/10	kb	01/25/10	avi		
Nitrobenzene-d5	57 %	36-98	1	01/22/10	kb	01/25/10	avi		
2-Fluorobiphenyl	59 %	44-105	1	01/22/10	kb	01/25/10	avl		
2,4,6-Tribromophenol	73 %	38-101	1	01/22/10	kb	01/25/10	avl		
Terphenyl-d14	79 %	46-109	1	01/22/10	kb	01/25/10	avl		
PESTICIDES/PCBS									
Analysis Method: EPA 8082									
Batch: T014534									
Aroclor-1016	<0.070 mg/kg dry	0.070	1	01/22/10	kb	01/22/10	tim		
Aroclor-1221	<0.070 mg/kg dry	0.070	1	01/22/10	kb	01/22/10	tim		
Aroclor-1232	<0.070 mg/kg dry	0.070	1	01/22/10	kb	01/22/10	tim		
Aroclor-1242	<0.070 mg/kg dry	0.070	1	01/22/10	kb	01/22/10	tim		
Aroclor-1248	<0.070 mg/kg dry	0.070	1	01/22/10	kb	01/22/10	tim		
Aroclor-1254	<0.070 mg/kg dry	0.070	1	01/22/10	kb	01/22/10	tim		
Aroclor-1260	<0.070 mg/kg dry	0.070	1	01/22/10	kb	01/22/10	tim		
Surrogates:	,								
Tetrachloro-m-xylene	102 %	40-113	1	01/22/10	kb	01/22/10	tim	N	
Decachlorobiphenyl	84 %	32-111	1	01/22/10	kb	01/22/10	tim	N	
METALS, TOTAL									
Analysis Method: EPA 6010B									
Batch: T014539									
Barium	17 mg/kg dry	0.98	1	01/25/10	jd	01/25/10	jn		
Cadmium	<0.20 mg/kg dry	0.20	1	01/25/10	jd	01/25/10	jn jn		
Chromium	7.1 mg/kg dry	0.98	1	01/25/10	jd	01/25/10	jn		
Copper	13 mg/kg dry	0.98	1	01/25/10	jd	01/25/10	jn		
Lead	7.2 mg/kg dry	0.98	1	01/25/10	jd	01/25/10	jn		
Nickel	7.5 mg/kg dry	0.98	1	01/25/10	jd	01/25/10	jn		
Vanadium	16 mg/kg dry	0.98	1		jm		jlm		
Zinc	49 mg/kg dry	0.98	1		jd jd	01/25/10	jn.		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-04 Sample ID: SS-19HS1-10-4			Collected: Received:	01/21/10 11 01/22/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	ВҮ	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 6020									
Batch: T014539									
Arsenic	2.0 mg/kg dry	0.098	10	01/25/10	jd	01/25/10	jn		
Selenium	<0.20 mg/kg dry	0.20	10	01/25/10	jd	01/25/10	jn		
Silver	<0.094 mg/kg dry	0.094	10	01/25/10	jd	01/25/10	jn		
Analysis Method: EPA 7471A									
Batch: T014539									
Mercury	0.044 mg/kg dry	0.029	1	01/25/10	jd	01/25/10	jn		
WET CHEMISTRY									
Analysis Method: % Calculation Batch: T014537									
% Solids	95 % by Wt.	0.10	1	01/22/10	sm	01/22/10	id	N	

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-05 Sample ID: SS-19HS1-10-5			Collected: Received:	01/21/10 11: 01/22/10 10:		Matrix: \$	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	ву	ANALYZED	вү	NOTES	MCI
VOLATILE ORGANIC COMPOU	INDS BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T014550									
Dichlorodifluoromethane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Chloromethane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Vinyl chloride	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp	N	
Bromomethane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Chloroethane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Trichlorofluoromethane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Acrolein	<0.040 mg/kg dry	0.040	1	01/25/10	jp	01/25/10	jp	N	
Diethyl ether	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp	N	
1,1-Dichloroethene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Acetone	<0.040 mg/kg dry	0.040	1	01/25/10	jp	01/25/10	jp		
lodomethane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp	N	
Carbon disulfide	<0.020 mg/kg dry	0.020	1	01/25/10	jp	01/25/10	jp		
Methyl-tert-butyl ether	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Methylene chloride	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Acrylonitrile	<0.040 mg/kg dry	0.040	1	01/25/10	jp	01/25/10	jp	N	
trans-1,2-Dichloroethene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
1,1-Dichloroethane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Diisopropyl Ether	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp	N	
2-Butanone	<0.040 mg/kg dry	0.040	1	01/25/10	jp	01/25/10	jp		
cis-1,2-Dichloroethene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
t-Butyl Ethyl Ether	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp	N	
Bromochloromethane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Tetrahydrofuran	<0.016 mg/kg dry	0.016	1	01/25/10	jp	01/25/10	jp	N	
Chloroform	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
1,1,1-Trichloroethane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Carbon tetrachloride	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Benzene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
t-Amyl Methyl Ether	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp	N	
1,2-Dichloroethane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Cyclohexane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp	N	
Trichloroethene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
1,2-Dichloropropane	<0.0040 mg/kg dry	0.0040	1		jp	01/25/10	jp		
Dibromomethane	<0.0040 mg/kg dry	0.0040	1		jp	01/25/10	jp		
Bromodichloromethane	<0.0040 mg/kg dry	0.0040	1		jp	01/25/10	jp		
		0.0070							

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<0.0040 mg/kg dry

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0.0040

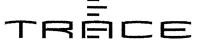
01/25/10

jp

01/25/10

jp

cis-1,3-Dichloropropene



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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

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Trace ID: T10A182-05 Sample ID: SS-19HS1-10-5			Collected: Received:	01/21/10 11: 01/22/10 10:		Matrix:	Soil		· · · · · · · · · · · · · · · · · · ·
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOU	NDS BY GC-MS	-							
4-Methyl-2-pentanone	<0.040 mg/kg dry	0.040	1	01/25/10	jp	01/25/10	jp		
Toluene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
trans-1,3-Dichloropropene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
1,1,2-Trichloroethane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Tetrachloroethene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
2-Hexanone	<0.040 mg/kg dry	0.040	1	01/25/10	jp	01/25/10	jp		
Dibromochloromethane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
1,2-Dibromoethane (EDB)	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Chlorobenzene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
1,1,1,2-Tetrachloroethane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Ethylbenzene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
m,p-Xylene	<0.0079 mg/kg dry	0.0079	1	01/25/10	jp	01/25/10	jp	N	
o-Xylene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp	N	
Xylenes, total	<0.012 mg/kg dry	0.012	1	01/25/10	jp	01/25/10	jp	N	
Styrene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Bromoform	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Isopropylbenzene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
1,1,2,2-Tetrachloroethane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
1,2,3-Trichloropropane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
trans-1,4-Dichloro-2-butene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Bromobenzene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
n-Propylbenzene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
1,3,5-Trimethylbenzene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
t-Butyl Benzene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
1,2,4-Trimethylbenzene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
sec-Butylbenzene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
p-Isopropyltoluene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
1,3-Dichlorobenzene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
1,4-Dichlorobenzene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
n-Butylbenzene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
1,2,3-Trimethylbenzene	<0.00079 mg/kg dry	0.00079	1	01/25/10	jp	01/25/10	jp	N	
1,2-Dichlorobenzene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
1,2-Dibromo-3-chloropropane	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		
Hexachloroethane	<0.00079 mg/kg dry	0.00079	1	01/25/10	jp	01/25/10	jp	N	
1,2,4-Trichlorobenzene	<0.0040 mg/kg dry	0.0040	1		jp	01/25/10	jp		
Naphthalene	0.041 mg/kg dry	0.0040	1		jp	01/25/10	jp	N	
1,2,3-Trichlorobenzene	<0.0040 mg/kg dry	0.0040	1	01/25/10	jp	01/25/10	jp		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10A182-05 SS-19HS1-10-5			Collected: Received:	01/21/10 11 01/22/10 10		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
VOLATILE	ORGANIC COMPOU	NDS BY GC-MS						_		
Surrogate	es:									
1,2-Dich	nloroethane-d4	94 %	71-131	1	01/25/10	jp	01/25/10	jp		
Toluene	e-d8	100 %	70-130	1	01/25/10	jp	01/25/10	jp		
4-Bromo	ofluorobenzene	98 %	65-122	1	01/25/10	jp	01/25/10	jp		
1,2-Dich	nlorobenzene-d4	92 %	54-134	1	01/25/10	jp	01/25/10	jp		
SEMI-VOL	ATILE ORGANIC CON	POLINDS BY GC-MS								
	ethod: EPA 8270C	51150 51 00-1110								
Batch: 7	T014533									
Bis(2-chlo	roethyl)ether	<0.035 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl	•	
2-Chlorop	henol	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avi		
Phenol		<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
1,3-Dichlo	robenzene	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
1,4-Dichlo	robenzene	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
1,2-Dichlo	robenzene	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
Benzyl ald	cohol	<0.70 mg/kg dry	0.70	1	01/22/10	kb	01/25/10	avl		
Bis(2-chlo	roisopropyl)ether	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
2-Methylpi	henol (o-Cresol)	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
3,4-Methy	lphenol (m,p Cresol)	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
N-Nitrosoc	di-n-propylamine	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avi		
Hexachlor	oethane	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
Nitrobenze	ene	<0.035 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
Isophoron	e	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avi		
2-Nitrophe	enol	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
2,4-Dimeth	hylphenol	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avi		
	roethoxy)methane	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
Benzoic ad	cid	<1.3 mg/kg dry	1.3	1	01/22/10	kb	01/25/10	avl		
	nlorobenzene	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
2,4-Dichlo		<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avi		
Naphthale	•	0.14 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
4-Chloroar		<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avi		
	obutadiene	<0.035 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
	-methylphenol	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
	aphthalene	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
•	ocyclopentadiene	<0.18 mg/kg dry	0.18	1	01/22/10	kb	01/25/10	avl		
	lorophenol	<0.035 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-05 Sample ID: SS-19HS1-10-5			Collected: Received:	01/21/10 11 01/22/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
SEMI-VOLATILE ORGANIC CO	MPOUNDS BY GC-MS								
2,4,5-Trichlorophenol	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
2-Chloronaphthalene	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
2-Nitroaniline	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
Dimethyl phthalate	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
Acenaphthylene	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
2,6-Dinitrotoluene	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
3-Nitroaniline	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
Acenaphthene	0.11 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
Dibenzofuran	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avi		
2,4-Dinitrotoluene	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
4-Nitrophenol	<0.71 mg/kg dry	0.71	1	01/22/10	kb	01/25/10	avl		
2,4-Dinitrophenol	<0.71 mg/kg dry	0.71	1	01/22/10	kb	01/25/10	avi		
Diethyl phthalate	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
Fluorene	0.13 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
4-Chlorophenyl phenyl ether	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
4-Nitroaniline	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
4,6-Dinitro-2-methylphenol	<0.18 mg/kg dry	0.18	1	01/22/10	kb	01/25/10	avl		
N-Nitrosodiphenylamine	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
4-Bromophenyl phenyl ether	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
Hexachlorobenzene	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
Pentachlorophenol	<0.38 mg/kg dry	0.38	1	01/22/10	kb	01/25/10	avl		
Phenanthrene	0.89 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
Anthracene	0.24 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
Carbazole	0.098 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avi		
Di-n-butyl phthalate	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
Fluoranthene	0.83 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
Pyrene	0.73 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
Butyl benzyl phthalate	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
Benzo (a) anthracene	0.35 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
Chrysene	0.33 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avi		
3,3'-Dichlorobenzidine	<0.70 mg/kg dry	0.70	1	01/22/10	kb	01/25/10	avl	N	
Bis(2-ethylhexyl)phthalate	0.96 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avi		
Di-n-octyl phthalate	<0.088 mg/kg dry	0.088	1	01/22/10	kb	01/25/10	avl		
Benzo (b) fluoranthene	0.45 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
Benzo (k) fluoranthene	0.15 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avi		
Benzo (a) pyrene	0.31 mg/kg dry	0.035	1		kb	01/25/10	avl		
Indeno (1,2,3-cd) pyrene	0.12 mg/kg dry	0.035	1		kb	01/25/10	avl		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-05 Sample ID: SS-19HS1-10-5			Collected: Received:	01/21/10 11 01/22/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	ВҮ	ANALYZED	вч	NOTES	MCL
SEMI-VOLATILE ORGANIC CO	MPOUNDS BY GC-MS								
Dibenz (a,h) anthracene	0.050 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
Benzo (g,h,i) perylene	0.065 mg/kg dry	0.035	1	01/22/10	kb	01/25/10	avl		
Surrogates:	FF 0/								
2-Fluorophenol	55 %	38-81	1	01/22/10	kb	01/25/10	avl		
Phenol-d5	61 %	32-102	1	01/22/10	kb	01/25/10	avi		
Nitrobenzene-d5	60 %	36-98	1	01/22/10	kb	01/25/10	avl		
2-Fluorobiphenyl	60 %	44-105	1	01/22/10	kb	01/25/10	avl		
2,4,6-Tribromophenol	75 %	38-101	1	01/22/10	kb	01/25/10	avl		
Terphenyl-d14	77 %	46-109	1	01/22/10	kb	01/25/10	avi		
PESTICIDES/PCBS									
Analysis Method: EPA 8082									
Batch: T014534									
Aroclor-1016	<0.070 mg/kg dry	0.070	1	01/22/10	kb	01/22/10	tim		
Aroclor-1221	<0.070 mg/kg dry	0.070	1	01/22/10	kb	01/22/10	tim		
Aroclor-1232	<0.070 mg/kg dry	0.070	1	01/22/10	kb	01/22/10	tim		
Aroclor-1242	<0.070 mg/kg dry	0.070	1	01/22/10	kb	01/25/10	tim		
Aroclor-1248	<0.070 mg/kg dry	0.070	1	01/22/10	kb	01/22/10	tim		
Aroclor-1254	<0.070 mg/kg dry	0.070	1	01/22/10	kb	01/22/10	tim		
Aroclor-1260	<0.070 mg/kg dry	0.070	1	01/22/10	kb	01/22/10	tim		
Surrogates:									
Tetrachloro-m-xylene	95 %	40-113	1	01/22/10	kb	01/22/10	tim	N	
Decachlorobiphenyl	100 %	32-111	1	01/22/10	kb	01/22/10	tim	N	
METALS, TOTAL									
Analysis Method: EPA 6010B									
Batch: T014539									
Barium	24 mg/kg dry	0.98	1	01/25/10	jd	01/25/10	jn		
Cadmium	0.25 mg/kg dry	0.20	1	01/25/10	jd	01/25/10	jn		
Chromium	8.0 mg/kg dry	0.98	1	01/25/10	jd	01/25/10	jn		
Copper	12 mg/kg dry	0.98	1	01/25/10	jd	01/25/10	jn		
Lead	10 mg/kg dry	0.98	1	01/25/10	jd	01/25/10	jn		
Nickel	7.4 mg/kg dry	0.98	1	01/25/10	jd	01/25/10	jn		
Vanadium	21 mg/kg dry	0.98	1	01/25/10	jm	02/12/10	jlm		
Zinc	40 mg/kg dry	0.98	1	01/25/10	jd	01/25/10	jn		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-05 Date Collected: 01/21/10 11:40 Matrix: Soil Sample ID: SS-19HS1-10-5 Date Received: 01/22/10 10:41 **RESULTS UNITS** RDL PREPARED BY ANALYZED BY MCL **PARAMETERS** DILUTION **NOTES METALS, TOTAL** Analysis Method: EPA 6020 Batch: T014539 Arsenic 2.3 mg/kg dry 10 01/25/10 01/25/10 jd jn 0.098 01/25/10 Selenium <0.20 mg/kg dry 10 jd 01/25/10 0.20 jn Silver <0.097 mg/kg dry 10 01/25/10 01/25/10 jd 0.097 jn Analysis Method: EPA 7471A Batch: T014539 Mercury 0.10 mg/kg dry 0.030 01/25/10 jd 01/25/10 jn **WET CHEMISTRY** Analysis Method: % Calculation Batch: T014537 94 % by Wt. % Solids 01/22/10 01/22/10 jd Ν 0.10 sm

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Date Collected: 01/21/10 11:50 Trace ID: T10A182-06 Matrix: Soil Sample ID: SS-19HS1-10-6 Date Received: 01/22/10 10:41 **RESULTS UNITS RDL** DILUTION PREPARED BY ANALYZED MCL **PARAMETERS** BY **NOTES VOLATILE ORGANIC COMPOUNDS BY GC-MS** Analysis Method: EPA 8260B Batch: T014550 <0.0046 mg/kg dry 01/26/10 01/26/10 Dichlorodifluoromethane 1 0.0046 jp jp 1 01/26/10 01/26/10 Chloromethane <0.0046 mg/kg dry 0.0046 jp jp 01/26/10 Vinyl chloride <0.0046 mg/kg dry 1 01/26/10 Ν 0.0046 jp jp Bromomethane <0.0046 mg/kg dry 1 01/26/10 01/26/10 0.0046 jp jp <0.0046 mg/kg dry 1 01/26/10 01/26/10 Chloroethane 0.0046 jp jp <0.0046 mg/kg dry 1 01/26/10 01/26/10 Trichlorofluoromethane jp jp 0.0046 Acrolein <0.046 mg/kg dry 1 01/26/10 jp 01/26/10 jp Ν 0.046 1 Diethyl ether <0.0046 mg/kg dry 0.0046 01/26/10 jp 01/26/10 iρ Ν 1,1-Dichloroethene <0.0046 mg/kg dry 1 01/26/10 01/26/10 0.0046 jp jp <0.046 mg/kg dry 1 01/26/10 01/26/10 Acetone jp jp 0.046 Iodomethane <0.0046 mg/kg dry 1 01/26/10 jр 01/26/10 jp Ν 0.0046 01/26/10 Carbon disulfide <0.023 mg/kg dry 1 01/26/10 αi 0.023 qi 01/26/10 <0.0046 mg/kg dry 1 01/26/10 jp jp Methyl-tert-butyl ether 0.0046 <0.0046 mg/kg dry Methylene chloride 1 01/26/10 jp 01/26/10 jp 0.0046 <0.046 mg/kg dry 1 01/26/10 01/26/10 Ν Acrylonitrile 0.046 jp jp <0.0046 mg/kg dry 1 01/26/10 01/26/10 trans-1,2-Dichloroethene jp jp 0.0046 1,1-Dichloroethane <0.0046 mg/kg dry 1 01/26/10 jp 01/26/10 0.0046 jp <0.0046 mg/kg dry 1 01/26/10 01/26/10 Ν Diisopropyl Ether jp jp 0.0046 1 01/26/10 01/26/10 2-Butanone <0.046 mg/kg dry 0.046 jp jp <0.0046 mg/kg dry 1 01/26/10 01/26/10 cis-1,2-Dichloroethene 0.0046 jp jp 1 t-Butyl Ethyl Ether <0.0046 mg/kg dry 0.0046 01/26/10 jp 01/26/10 jp Ν 1 01/26/10 Bromochloromethane <0.0046 mg/kg dry 01/26/10 jp jp 0.0046 1 Tetrahydrofuran <0.019 mg/kg dry 0.019 01/26/10 jp 01/26/10 jp Ν Chloroform <0.0046 mg/kg dry 1 01/26/10 01/26/10 0.0046 jp jp 1,1,1-Trichloroethane <0.0046 mg/kg dry 0.0046 1 01/26/10 jp 01/26/10 jp Carbon tetrachloride <0.0046 mg/kg dry 1 01/26/10 01/26/10 0.0046 jp jp Benzene <0.0046 mg/kg dry 0.0046 1 01/26/10 jp 01/26/10 jp <0.0046 mg/kg dry 1 01/26/10 t-Amyl Methyl Ether 01/26/10 jp jp N 0.0046 1 1,2-Dichloroethane <0.0046 mg/kg dry 01/26/10 jp 01/26/10 jp 0.0046 <0.0046 mg/kg dry Cyclohexane 1 01/26/10 jp 01/26/10 jp Ν 0.0046 <0.0046 mg/kg dry 1 01/26/10 01/26/10 Trichloroethene jp jp 0.0046 <0.0046 mg/kg dry 1 01/26/10 01/26/10 1,2-Dichloropropane jp jp 0.0046 Dibromomethane <0.0046 mg/kg dry 1 01/26/10 jp 01/26/10 jp 0.0046

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<0.0046 mg/kg dry

<0.0046 mg/kg dry

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0.0046

0.0046

1

1

01/26/10

01/26/10

jp

jp

01/26/10

01/26/10

jр

jp

Bromodichloromethane

cis-1,3-Dichloropropene



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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Date Collected: 01/21/10 11:50 Matrix: Soil T10A182-06 Sample ID: SS-19HS1-10-6 Date Received: 01/22/10 10:41 RDL PREPARED BY ANALYZED BY NOTES **PARAMETERS RESULTS UNITS** DILUTION MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** 01/26/10 01/26/10 4-Methyl-2-pentanone <0.046 mg/kg dry 0.046 įр įр 01/26/10 01/26/10 Toluene <0.0046 mg/kg dry 0.0046 1 jp jp 01/26/10 01/26/10 trans-1,3-Dichloropropene <0.0046 mg/kg dry 0.0046 jp jр 01/26/10 01/26/10 1.1.2-Trichloroethane <0.0046 mg/kg dry 0.0046 1 jp jp 01/26/10 Tetrachloroethene <0.0046 mg/kg dry 1 jp 01/26/10 jp 0.0046 2-Hexanone <0.046 mg/kg dry 0.046 1 01/26/10 jp 01/26/10 jp Dibromochloromethane <0.0046 mg/kg dry 1 01/26/10 01/26/10 jp jp 0.0046 1 01/26/10 01/26/10 1,2-Dibromoethane (EDB) <0.0046 mg/kg dry 0.0046 jp jp <0.0046 mg/kg dry 1 01/26/10 jp 01/26/10 jp Chlorobenzene 0.0046 <0.0046 mg/kg dry 1 01/26/10 01/26/10 1,1,1,2-Tetrachloroethane jp jp 0.0046 1 01/26/10 01/26/10 Ethylbenzene <0.0046 mg/kg dry jp 0.0046 jp m,p-Xylene <0.0093 mg/kg dry 0.0093 1 01/26/10 jp 01/26/10 jp Ν 1 <0.0046 mg/kg dry 01/26/10 01/26/10 N o-Xylene 0.0046 jp jp 1 Ν Xylenes, total <0.014 mg/kg dry 0.014 01/26/10 jp 01/26/10 jp <0.0046 mg/kg dry 1 01/26/10 01/26/10 Styrene 0.0046 jp jp 1 **Bromoform** <0.0046 mg/kg dry 01/26/10 jp 01/26/10 jp 0.0046 01/26/10 Isopropylbenzene <0.0046 mg/kg dry 1 01/26/10 jp jp 0.0046 1,1,2,2-Tetrachloroethane <0.0046 mg/kg dry 0.0046 1 01/26/10 jp 01/26/10 jp <0.0046 mg/kg dry 1 01/26/10 01/26/10 1,2,3-Trichloropropane 0.0046 jp jp trans-1.4-Dichloro-2-butene <0.0046 mg/kg dry 1 01/26/10 jp 01/26/10 jp 0.0046 1 01/26/10 01/26/10 Bromobenzene <0.0046 mg/kg dry jp jp 0.0046 <0.0046 mg/kg dry 1 01/26/10 jp 01/26/10 jp n-Propylbenzene 0.0046 <0.0046 mg/kg dry 1 01/26/10 01/26/10 1,3,5-Trimethylbenzene jр jp 0.0046 <0.0046 mg/kg dry t-Butyl Benzene 1 01/26/10 jp 01/26/10 jp 0.0046 <0.0046 mg/kg dry 1 01/26/10 01/26/10 1,2,4-Trimethylbenzene 0.0046 jp jp sec-Butylbenzene <0.0046 mg/kg dry 1 01/26/10 jp 01/26/10 jp 0.0046 1 01/26/10 01/26/10 <0.0046 mg/kg dry p-Isopropyltoluene jp jр 0.0046 1,3-Dichlorobenzene <0.0046 mg/kg dry 1 01/26/10 jp 01/26/10 jp 0.0046 1 01/26/10 01/26/10 1,4-Dichlorobenzene <0.0046 mg/kg dry 0.0046 jp jp <0.0046 mg/kg dry 1 01/26/10 01/26/10 n-Butylbenzene 0.0046 jp jp 1,2,3-Trimethylbenzene <0.00093 mg/kg dry 0.00093 1 01/26/10 jp 01/26/10 jp Ν 1 01/26/10 1,2-Dichlorobenzene <0.0046 mg/kg dry 01/26/10 jp jp 0.0046 1 01/26/10 01/26/10 1,2-Dibromo-3-chloropropane <0.0046 mg/kg dry jp jp 0.0046 Hexachloroethane <0.00093 mg/kg dry 1 01/26/10 01/26/10 jp Ν 0.00093 jp 1 1,2,4-Trichlorobenzene <0.0046 mg/kg dry 01/26/10 jp 01/26/10 jp 0.0046 Naphthalene 0.0068 mg/kg dry 1 01/26/10 jp 01/26/10 Ν 0.0046 jp 1,2,3-Trichlorobenzene <0.0046 mg/kg dry 01/26/10 jp 01/26/10 0.0046 ijρ

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10A182-06 SS-19HS1-10-6			Collected: Received:	01/21/10 11 01/22/10 10		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	вү	NOTES	MCL
VOLATILE	ORGANIC COMPOU	NDS BY GC-MS								
Surrogat		20.04								
1,2-Dicl	hloroethane-d4	93 %	71-131	1	01/26/10	jp	01/26/10	jρ		
Toluene	e-d8	97 %	70-130	1	01/26/10	jp	01/26/10	jp		
4-Brom	ofluorobenzene	94 %	65-122	1	01/26/10	jp	01/26/10	jp		
1,2-Dich	nlorobenzene-d4	93 %	54-134	1	01/26/10	jp	01/26/10	jp		
SEMI-VOL	ATILE ORGANIC COM	//POUNDS BY GC-MS								
	ethod: EPA 8270C T014570									
Bis(2-chlo	proethyl)ether	<0.035 mg/kg dry	0.035	1	01/26/10	kb	01/26/10	avl		
2-Chlorop	henol	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
Phenol		<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
1,3-Dichlo	probenzene	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
1,4-Dichlo	orobenzene	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
1,2-Dichlo	probenzene	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
Benzyl al	cohol	<0.70 mg/kg dry	0.70	1	01/26/10	kb	01/26/10	avl		
-	proisopropyl)ether	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
,	henol (o-Cresol)	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
• •	(Iphenol (m,p Cresol)	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avi		
-	di-n-propylamine	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
Hexachlo		<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
Nitrobenz		<0.035 mg/kg dry	0.035	1	01/26/10	kb	01/26/10	avl		
Isophoron	e	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
2-Nitrophe		<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
2,4-Dimet		<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
	roethoxy)methane	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
Benzoic a	• •	<1.3 mg/kg dry	1.3	1	01/26/10	kb	01/26/10	avl		
	hlorobenzene	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
2,4-Dichlo		<0.088 mg/kg dry	0.008	1	01/26/10	kb	01/26/10	avl		
Naphthale		0.18 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avi		
4-Chloroa		<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avi		
	obutadiene	<0.035 mg/kg dry	0.035	1	01/26/10	kb	01/26/10	avl		
	3-methylphenoi	<0.088 mg/kg dry	0.033	1	01/26/10	kb	01/26/10	avl		
	aphthalene	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
_	ocyclopentadiene	<0.18 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
	, 5		0.10	•	J Jr . J		2 3, 10			

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-06 Sample ID: SS-19HS1-10-6			Collected: Received:	01/21/10 11 01/22/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MC
SEMI-VOLATILE ORGANIC CO	MPOUNDS BY GC-MS				_				
2,4,5-Trichlorophenol	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
2-Chloronaphthalene	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
2-Nitroaniline	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avi		
Dimethyl phthalate	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
Acenaphthylene	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
2,6-Dinitrotoluene	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
3-Nitroaniline	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avi		
Acenaphthene	0.16 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
Dibenzofuran	0.12 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avi		
2,4-Dinitrotoluene	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
4-Nitrophenol	<0.71 mg/kg dry	0.71	1	01/26/10	kb	01/26/10	avl		
2,4-Dinitrophenol	<0.71 mg/kg dry	0.71	1	01/26/10	kb	01/26/10	avi		
Diethyl phthalate	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
Fluorene	0.20 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avi		
4-Chlorophenyl phenyl ether	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
4-Nitroaniline	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
4,6-Dinitro-2-methylphenol	<0.18 mg/kg dry	0.18	1	01/26/10	kb	01/26/10	avl		
N-Nitrosodiphenylamine	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
4-Bromophenyl phenyl ether	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avi		
Hexachlorobenzene	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
Pentachlorophenol	<0.38 mg/kg dry	0.38	1	01/26/10	kb	01/26/10	avl		
Phenanthrene	1.1 mg/kg dry	0.035	1	01/26/10	kb	01/26/10	avl		
Anthracene	0.34 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
Carbazole	0.13 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
Di-n-butyl phthalate	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
Fluoranthene	0.99 mg/kg dry	0.035	1	01/26/10	kb	01/26/10	avl		
Pyrene	0.82 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
Butyl benzyl phthalate	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
Benzo (a) anthracene	0.43 mg/kg dry	0.035	1	01/26/10	kb	01/26/10	avl		
Chrysene	0.40 mg/kg dry	0.035	1	01/26/10	kb	01/26/10	avl		
3,3'-Dichlorobenzidine	<0.70 mg/kg dry	0.70	1	01/26/10	kb	01/26/10	avl	N	
Bis(2-ethylhexyl)phthalate	0.23 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
Di-n-octyl phthalate	<0.088 mg/kg dry	0.088	1	01/26/10	kb	01/26/10	avl		
Benzo (b) fluoranthene	0.44 mg/kg dry	0.035	1		kb	01/26/10	avl		
Benzo (k) fluoranthene	0.15 mg/kg dry	0.035	1	01/26/10	kb	01/26/10	avl		
Benzo (a) pyrene	0.36 mg/kg dry	0.035	1	01/26/10	kb	01/26/10	avl		
Indeno (1,2,3-cd) pyrene	0.23 mg/kg dry	0.035	1		kb	01/26/10	avl		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-06 Date Collected: 01/21/10 11:50 Matrix: Soil Sample ID: SS-19HS1-10-6 Date Received: 01/22/10 10:41 **PARAMETERS RESULTS UNITS RDL** DILUTION PREPARED BY ANALYZED BY **NOTES** MCL SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS 0.058 mg/kg dry Dibenz (a,h) anthracene 1 01/26/10 kb 01/26/10 avi 0.035 01/26/10 01/26/10 Benzo (g,h,i) perylene 0.20 mg/kg dry 1 kb avl 0.035 Surrogates: 75 % 38-81 01/26/10 01/26/10 2-Fluorophenol kb 1 avl 74 % Phenol-d5 32-102 1 01/26/10 kb 01/26/10 avl 82 % 36-98 01/26/10 01/26/10 Nitrobenzene-d5 1 kb avl 75 % 2-Fluorobiphenyl 44-105 1 01/26/10 kb 01/26/10 avl 86 % 2,4,6-Tribromophenol 38-101 1 01/26/10 kb 01/26/10 avl 83 % 46-109 01/26/10 01/26/10 Terphenyl-d14 kb avl PESTICIDES/PCBS Analysis Method: EPA 8082 Batch: T014534 01/22/10 kb 01/22/10 tim Aroclor-1016 <0.070 mg/kg dry 1 0.070 1 01/22/10 01/22/10 tim Aroclor-1221 <0.070 mg/kg dry kb 0.070 01/22/10 kb 01/22/10 Aroclor-1232 <0.070 mg/kg dry 0.070 1 tim 01/22/10 01/22/10 Aroclor-1242 <0.070 mg/kg dry 1 kb tim 0.070 Aroclor-1248 <0.070 mg/kg dry 1 01/22/10 kb 01/22/10 tim 0.070 Aroclor-1254 <0.070 mg/kg dry 1 01/22/10 kb 01/22/10 tim 0.070 <0.070 mg/kg dry 1 01/22/10 kb 01/22/10 Aroclor-1260 tim 0.070 Surrogates: 91 % Ν Tetrachloro-m-xylene 40-113 1 01/22/10 kb 01/22/10 tim 74 % Ν 32-111 1 01/22/10 kb 01/22/10 tim Decachlorobiphenyl **METALS, TOTAL** Analysis Method: EPA 6010B Batch: T014539 01/25/10 **Barium** 24 mg/kg dry 1 01/25/10 jd jn 1.0 Cadmium <0.20 mg/kg dry 1 01/25/10 id 01/25/10 in 0.20 Chromium 11 mg/kg dry 1 01/25/10 jd 01/25/10 jn 1.0 15 mg/kg dry 1 01/25/10 jd 01/25/10 Copper 1.0 jn Lead 10 mg/kg dry 1 01/25/10 jd 01/25/10 jn 1.0 Nickel 9.5 mg/kg dry 1 01/25/10 jd 01/25/10 in 1.0 Vanadium 26 mg/kg dry 1 01/25/10 jm 02/12/10 jlm 1.0

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51 mg/kg dry

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1.0

1

01/25/10

jd

01/25/10

jn

Zinc



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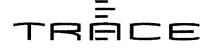
ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-06 Sample ID: SS-19HS1-10-6		Date Collected: Date Received:		01/21/10 11:50 01/22/10 10:41		Matrix: Soil			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	ву	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 6020									
Batch: T014539									
Arsenic	3.5 mg/kg dry	0.10	10	01/25/10	jd	01/25/10	jn		
Selenium	0.26 mg/kg dry	0.20	10	01/25/10	jd	01/25/10	jn		
Silver	<0.099 mg/kg dry	0.099	10	01/25/10	jd	01/25/10	jn		
Analysis Method: EPA 7471A									
Batch: T014539									
Mercury	<0.030 mg/kg dry	0.030	1	01/25/10	jd	01/25/10	jn		
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014537									
% Solids	94 % by Wt.	0.10	1	01/22/10	sm	01/22/10	jd	N	

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

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Trace ID: T10A182-07 Date Collected: 01/21/10 12:00 Matrix: Soil Sample ID: SS-19HS1-10-7 Date Received: 01/22/10 10:41 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY NOTES MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** Analysis Method: EPA 8260B Batch: T014550 <0.0045 mg/kg dry Dichlorodifluoromethane 01/25/10 01/25/10 1 0.0045 jp jp 1 Chloromethane <0.0045 mg/kg dry 0.0045 01/25/10 jp 01/25/10 jp Vinyl chloride <0.0045 mg/kg dry 1 01/25/10 01/25/10 0.0045 jp jp N 1 Bromomethane <0.0045 mg/kg dry 01/25/10 jp 01/25/10 0.0045 jp Chloroethane <0.0045 mg/kg dry 0.0045 1 01/25/10 jp 01/25/10 jp Trichlorofluoromethane <0.0045 mg/kg dry 1 01/25/10 01/25/10 0.0045 jp jp Acrolein <0.045 mg/kg dry 1 01/25/10 01/25/10 0.045 jp jp Ν Diethyl ether <0.0045 mg/kg dry 0.0045 1 01/25/10 jp 01/25/10 jp Ν <0.0045 mg/kg dry 1 01/25/10 01/25/10 1,1-Dichloroethene 0.0045 įр jp 1 Acetone <0.045 mg/kg dry 01/25/10 jp 01/25/10 jp 0.045 Iodomethane <0.0045 mg/kg dry 1 01/25/10 jp 01/25/10 jp Ν 0.0045 Carbon disulfide <0.023 mg/kg dry 1 01/25/10 01/25/10 jp jр 0.023 <0.0045 mg/kg dry Methyl-tert-butyl ether 1 01/25/10 01/25/10 0.0045 jp jp Methylene chloride <0.0045 mg/kg dry 1 01/25/10 jp 01/25/10 jp 0.0045 1 Ν Acrylonitrile <0.045 mg/kg dry 0.045 01/25/10 jp 01/25/10 jр <0.0045 mg/kg dry 1 01/25/10 01/25/10 trans-1,2-Dichloroethene jp 0.0045 jp 1 01/25/10 1,1-Dichloroethane <0.0045 mg/kg dry 0.0045 01/25/10 jp jр Diisopropyl Ether <0.0045 mg/kg dry 1 01/25/10 01/25/10 0.0045 jp jp Ν 1 2-Butanone <0.045 mg/kg dry 0.045 01/25/10 jp 01/25/10 jp <0.0045 mg/kg dry 1 01/25/10 01/25/10 cis-1,2-Dichloroethene 0.0045 jp jp t-Butyl Ethyl Ether <0.0045 mg/kg dry 0.0045 1 01/25/10 jp 01/25/10 jp N 1 Bromochloromethane <0.0045 mg/kg dry 01/25/10 jp 01/25/10 jp 0.0045 1 Tetrahydrofuran <0.018 mg/kg dry 0.018 01/25/10 jp 01/25/10 jp Ν Chloroform <0.0045 mg/kg dry 1 01/25/10 01/25/10 0.0045 jp jp 1,1,1-Trichloroethane <0.0045 mg/kg dry 1 01/25/10 jp 01/25/10 jp 0.0045 Carbon tetrachloride <0.0045 mg/kg dry 1 01/25/10 jp 01/25/10 jp 0.0045 Benzene <0.0045 mg/kg dry 1 01/25/10 jp 01/25/10 jp 0.0045 <0.0045 mg/kg dry 1 01/25/10 01/25/10 Ν t-Amyl Methyl Ether jp jp 0.0045 1,2-Dichloroethane <0.0045 mg/kg dry 1 01/25/10 jp 01/25/10 jp 0.0045 Cyclohexane <0.0045 mg/kg dry 1 01/25/10 01/25/10 Ν jp jp 0.0045 Trichloroethene <0.0045 mg/kg dry 1 01/25/10 01/25/10 jp 0.0045 jр 1,2-Dichloropropane <0.0045 mg/kg dry 1 01/25/10 01/25/10 jp 0.0045 jp Dibromomethane <0.0045 mg/kg dry 1 01/25/10 jp 01/25/10 jp 0.0045

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<0.0045 mg/kg dry

<0.0045 mg/kg dry

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0.0045

0.0045

01/25/10

01/25/10

jp

jp

01/25/10

01/25/10

jp

jp

1

Bromodichloromethane

cis-1,3-Dichloropropene



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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-07 Date Collected: 01/21/10 12:00 Matrix: Soil

Sample ID: SS-19HS1-10-7		Date Received:		01/22/10 10:41					
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOU	NDS BY GC-MS			-					
4-Methyl-2-pentanone	<0.045 mg/kg dry	0.045	1	01/25/10	jp	01/25/10	jp		
Toluene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
trans-1,3-Dichloropropene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
1,1,2-Trichloroethane	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
Tetrachloroethene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
2-Hexanone	<0.045 mg/kg dry	0.045	1	01/25/10	jp	01/25/10	jp		
Dibromochloromethane	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
1,2-Dibromoethane (EDB)	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
Chlorobenzene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
1,1,1,2-Tetrachloroethane	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
Ethylbenzene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
m,p-Xylene	<0.0091 mg/kg dry	0.0091	1	01/25/10	jp	01/25/10	jp	N	
o-Xylene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp	N	
Xylenes, total	<0.014 mg/kg dry	0.014	1	01/25/10	jp	01/25/10	jp	N	
Styrene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
Bromoform	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
Isopropylbenzene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
1,1,2,2-Tetrachloroethane	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
1,2,3-Trichloropropane	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
trans-1,4-Dichloro-2-butene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
Bromobenzene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
n-Propylbenzene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
1,3,5-Trimethylbenzene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
t-Butyl Benzene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
1,2,4-Trimethylbenzene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jр	01/25/10	jp		
sec-Butylbenzene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
p-Isopropyltoluene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
1,3-Dichlorobenzene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
1,4-Dichlorobenzene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp	*	
n-Butylbenzene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
1,2,3-Trimethylbenzene	<0.00091 mg/kg dry	0.00091	1	01/25/10	jp	01/25/10	jp	N	
1,2-Dichlorobenzene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
1,2-Dibromo-3-chloropropane	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
Hexachloroethane	<0.00091 mg/kg dry	0.00091	1	01/25/10	jp	01/25/10	jp	N	
1,2,4-Trichlorobenzene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		
Naphthalene	0.0058 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp	N	
1,2,3-Trichlorobenzene	<0.0045 mg/kg dry	0.0045	1	01/25/10	jp	01/25/10	jp		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

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Trace ID: Sample ID:	T10A182-07 SS-19HS1-10-7		Date Collected: Date Received:		01/21/10 12:00 01/22/10 10:41		Matrix: Soil			
PARAMETERS		RESULTS UNITS	RDL	DILUTION	PREPARED	В ВҮ	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOU	NDS BY GC-MS								
Surrogate	es:									
1,2-Dich	nloroethane-d4	93 %	71-131	1	01/25/10	jp	01/25/10	jp		
Toluene	-d8	100 %	70-130	1	01/25/10	jp	01/25/10	jp		
4-Bromo	ofluorobenzene	105 %	65-122	1	01/25/10	jp	01/25/10	jp		
1,2-Dich	nlorobenzene-d4	97 %	54-134	1	01/25/10	jp	01/25/10	jp		
SEMI-VOLA	ATILE ORGANIC COM	MPOUNDS BY GC-MS								
Analysis Me Batch: 7	othod: EPA 8270C F014533									
Bis(2-chlo	roethyl)ether	<0.036 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avl		
2-Chlorop		<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avi		
Phenol		<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
1,3-Dichlo	robenzene	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avi		
1,4-Dichlo	robenzene	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
1,2-Dichlo	robenzene	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avi		
Benzyl ald	cohol	<0.72 mg/kg dry	0.72	1	01/22/10	kb	01/25/10	avl		
Bis(2-chlo	roisopropyl)ether	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
	henol (o-Cresol)	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
	lphenol (m,p Cresol)	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
•	di-n-propylamine	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
Hexachlor	oethane	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
Nitrobenze	ene	<0.036 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avi		
Isophoron	e	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
2-Nitrophe	enol	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
2,4-DimetI		<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
	roethoxy)methane	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
Benzoic a	cid	<1.3 mg/kg dry	1.3	1	01/22/10	kb	01/25/10	avl		
	nlorobenzene	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
2,4-Dichlo		<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
Naphthale	•	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
4-Chloroar		<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
	obutadiene	<0.036 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avl		
	-methylphenol	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
	aphthalene	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
•	ocyclopentadiene	<0.18 mg/kg dry	0.18	1	01/22/10	kb	01/25/10	avi		
	, 5.565		0.10	•			J J/ . U			

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-07 Sample ID: SS-19HS1-10-7		Date Collected: Date Received:		01/21/10 12:00 01/22/10 10:41		Matrix: Soil			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	вч	NOTES	MCL
SEMI-VOLATILE ORGANIC CO	MPOUNDS BY GC-MS			<u> </u>				-	
2,4,5-Trichlorophenol	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avi		
2-Chioronaphthalene	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
2-Nitroaniline	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
Dimethyl phthalate	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
Acenaphthylene	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
2,6-Dinitrotoluene	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
3-Nitroaniline	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
Acenaphthene	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
Dibenzofuran	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
2,4-Dinitrotoluene	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
4-Nitrophenol	<0.73 mg/kg dry	0.73	1	01/22/10	kb	01/25/10	avl		
2,4-Dinitrophenol	<0.73 mg/kg dry	0.73	1	01/22/10	kb	01/25/10	avl		
Diethyl phthalate	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
Fluorene	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
4-Chiorophenyl phenyl ether	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
4-Nitroaniline	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
4,6-Dinitro-2-methylphenol	<0.18 mg/kg dry	0.18	1	01/22/10	kb	01/25/10	avl		
N-Nitrosodiphenylamine	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
4-Bromophenyl phenyl ether	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
Hexachlorobenzene	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
Pentachlorophenol	<0.39 mg/kg dry	0.39	1	01/22/10	kb	01/25/10	avl		
Phenanthrene	0.22 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avl		
Anthracene	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
Carbazole	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avi		
Di-n-butyl phthalate	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
Fluoranthene	0.22 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avi		
Pyrene	0.20 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
Butyl benzyl phthalate	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avi		
Benzo (a) anthracene	0.096 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avl		
Chrysene	0.084 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avl		
3,3'-Dichlorobenzidine	<0.72 mg/kg dry	0.72	1	01/22/10	kb	01/25/10	avl	N	
Bis(2-ethylhexyl)phthalate	0.34 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
Di-n-octyl phthalate	<0.090 mg/kg dry	0.090	1	01/22/10	kb	01/25/10	avl		
Benzo (b) fluoranthene	0.11 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avi		
Benzo (k) fluoranthene	0.048 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avi		
Benzo (a) pyrene	0.072 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avl		
Indeno (1,2,3-cd) pyrene	0.059 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avl		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-07 Sample ID: SS-19HS1-10-7			Collected: Received:	01/21/10 12 01/22/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	ву	NOTES	MCL
SEMI-VOLATILE ORGANIC CO	MPOUNDS BY GC-MS								
Dibenz (a,h) anthracene	<0.036 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avl		
Benzo (g,h,i) perylene	<0.036 mg/kg dry	0.036	1	01/22/10	kb	01/25/10	avl		
Surrogates:									
2-Fluorophenol	63 %	38-81	1	01/22/10	kb	01/25/10	avl		
Phenol-d5	67 %	32-102	1	01/22/10	kb	01/25/10	avl		
Nitrobenzene-d5	69 %	36-98	1	01/22/10	kb	01/25/10	avl		
2-Fluorobiphenyl	65 %	44-105	1	01/22/10	kb	01/25/10	avl		
2,4,6-Tribromophenol	80 %	38-101	1	01/22/10	kb	01/25/10	avl		
Terphenyl-d14	82 %	46-109	1	01/22/10	kb	01/25/10	avl		
PESTICIDES/PCBS									
Analysis Method: EPA 8082									
Batch: T014534									
Aroclor-1016	<0.072 mg/kg dry	0.072	1	01/22/10	kb	01/22/10	tim		
Aroclor-1221	<0.072 mg/kg dry	0.072	1	01/22/10	kb	01/22/10	tim		
Aroclor-1232	<0.072 mg/kg dry	0.072	1	01/22/10	kb	01/22/10	tim		
Aroclor-1242	0.14 mg/kg dry	0.072	1	01/22/10	kb	01/25/10	tim		
Aroclor-1248	<0.072 mg/kg dry	0.072	1	01/22/10	kb	01/22/10	tim		
Aroclor-1254	<0.072 mg/kg dry	0.072	1	01/22/10	kb	01/22/10	tim		
Aroclor-1260	<0.072 mg/kg dry	0.072	1	01/22/10	kb	01/22/10	tim		
Surrogates:									
Tetrachloro-m-xylene	101 %	40-113	1	01/22/10	kb	01/22/10	tim	N	
Decachlorobiphenyl	85 %	32-111	1	01/22/10	kb	01/22/10	tim	N	
METALS, TOTAL									
Analysis Method: EPA 6010B									
Batch: T014539									
Barium	31 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		
Cadmium	<0.20 mg/kg dry	0.20	1	01/25/10	jd	01/25/10	jn		
Chromium	7.5 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		
Copper	20 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		
Lead	32 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		
Nickel	5.9 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		•
Vanadium	21 mg/kg dry	0.99	1	01/25/10	jm	02/15/10	jlm		
Zinc	44 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		

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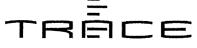
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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-07 Sample ID: SS-19HS1-10-7			Collected:	01/21/10 12 01/22/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 6020									
Batch: T014539									
Arsenic	1.8 mg/kg dry	0.099	10	01/25/10	jd	01/25/10	jn		
Selenium	0.36 mg/kg dry	0.20	10	01/25/10	jd	01/25/10	jn		
Silver	<0.097 mg/kg dry	0.097	10	01/25/10	jd	01/25/10	jn		
Analysis Method: EPA 7471A									
Batch: T014539									
Mercury	0.10 mg/kg dry	0.030	1	01/25/10	jd	01/25/10	jn		
WET CHEMISTRY									
Analysis Method: % Calculation Batch: T014537									
% Solids	92 % by Wt.	0.10	1	01/22/10	sm	01/22/10	jd	N	



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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10A182-08 Concrete-19HS1-10-1			Collected: Received:	01/21/10 14 01/22/10 10		Matrix: \$	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	ВҮ	ANALYZED	BY	NOTES	МС
/OLATILE	ORGANIC COMPOUND	S BY GC-MS	•••							
Analysis Me	ethod: EPA 8260B									
Batch:	T014550									
Dichlorod	lifluoromethane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Chlorome	ethane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Vinyl chlo	oride	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp	N	
Bromome	ethane	<0.00072 mg/kg dry	0.00072	1	01/26/10	јр	01/26/10	jp		
Chloroeth	nane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Trichlorof	luoromethane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Acrolein		<0.0072 mg/kg dry	0.0072	1	01/26/10	jp	01/26/10	jp	N	
Diethyl et	her	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp	N	
1,1-Dichlo	oroethene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Acetone		0.019 mg/kg dry	0.0072	1	01/26/10	jp	01/26/10	jp	808	
lodometh	ane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp	N	
Carbon di	isulfide	<0.0036 mg/kg dry	0.0036	1	01/26/10	jp	01/26/10	jp		
Methyl-ter	rt-butyl ether	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Methylene	e chloride	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Acrylonitr	ile	<0.0072 mg/kg dry	0.0072	1	01/26/10	jp	01/26/10	jp	N	
trans-1,2-	-Dichloroethene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
1,1-Dichlo	oroethane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Diisoprop	yl Ether	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp	N	
2-Butanor	ne	<0.0072 mg/kg dry	0.0072	1	01/26/10	jp	01/26/10	jp		
cis-1,2-Di	chloroethene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
t-Butyl Eth	hyl Ether	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp	N	
Bromochle	oromethane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Tetrahydr	ofuran	<0.0029 mg/kg dry	0.0029	1	01/26/10	jp	01/26/10	jp	N	
Chloroforr	m	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
1,1,1-Tricl	hloroethane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Carbon te	trachloride	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Benzene		<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
t-Amyl Me	ethyl Ether	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp	N	
1,2-Dichlo	proethane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Cyclohexa	ane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp	N	
Trichloroe		<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
1,2-Dichlo	propropane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Dibromom	• •	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Bromodich	hloromethane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		

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<0.00072 mg/kg dry

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0.00072

01/26/10

01/26/10

jp

cis-1,3-Dichloropropene



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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-08 Sample ID: Concrete-19HS1-10-1			Collected: Received:	01/21/10 14: 01/22/10 10:		Matrix: 3	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUN	NDS BY GC-MS								
4-Methyl-2-pentanone	<0.0072 mg/kg dry	0.0072	1	01/26/10	jp	01/26/10	jp		
Toluene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
trans-1,3-Dichloropropene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
1,1,2-Trichloroethane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Tetrachloroethene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
2-Hexanone	<0.0072 mg/kg dry	0.0072	1	01/26/10	jp	01/26/10	jp		
Dibromochloromethane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
1,2-Dibromoethane (EDB)	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Chlorobenzene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
1,1,1,2-Tetrachloroethane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Ethylbenzene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
m,p-Xylene	<0.0014 mg/kg dry	0.0014	1	01/26/10	jp	01/26/10	jp	N	
o-Xylene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp	N	
Xylenes, total	<0.0022 mg/kg dry	0.0022	1	01/26/10	jp	01/26/10	jp	N	
Styrene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Bromoform	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Isopropylbenzene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
1,1,2,2-Tetrachloroethane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
1,2,3-Trichloropropane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
trans-1,4-Dichloro-2-butene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Bromobenzene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
n-Propylbenzene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
1,3,5-Trimethylbenzene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
t-Butyl Benzene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
1,2,4-Trimethylbenzene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
sec-Butylbenzene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
p-Isopropyltoluene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
1,3-Dichlorobenzene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
1,4-Dichlorobenzene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
n-Butylbenzene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
1,2,3-Trimethylbenzene	<0.00014 mg/kg dry	0.00014	1	01/26/10	jp	01/26/10	jp	N	
1,2-Dichlorobenzene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
1,2-Dibromo-3-chloropropane	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		
Hexachloroethane	<0.00014 mg/kg dry	0.00012	1	01/26/10	jp	01/26/10	jp	N	
1,2,4-Trichlorobenzene	<0.00072 mg/kg dry	0.00074	1	01/26/10	jp	01/26/10	jp		
Naphthalene	0.014 mg/kg dry	0.00072	1		jp	01/26/10	jp	N	
1,2,3-Trichlorobenzene	<0.00072 mg/kg dry	0.00072	1	01/26/10	jp	01/26/10	jp		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10A182-08 Concrete-19HS1-10-1			Collected: Received:	01/21/10 14 01/22/10 10		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUND	OS BY GC-MS			-					
Surrogat	es:									
1,2-Dicl	hloroethane-d4	96 %	71-131	1	01/26/10	jp	01/26/10	jp		
Toluene	e-d8	96 %	70-130	1	01/26/10	jp	01/26/10	jp		
4-Brom	ofluorobenzene	96 %	65-122	1	01/26/10	jp	01/26/10	jp		
1,2-Dich	hlorobenzene-d4	96 %	54-134	1	01/26/10	jp	01/26/10	jp		
	ATILE ORGANIC COMP	OUNDS BY GC-MS								
	<u>ethod: EPA 8270C</u> T014533									
	oroethyl)ether	<0.072 mg/kg dry	0.072	2	01/22/10	kb	01/26/10	avl		
2-Chlorop	• '	<0.18 mg/kg dry	0.072	2	01/22/10	kb	01/26/10	avi		
Phenol	menor	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avi		
	probenzene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avi		
•	probenzene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avi		
•	probenzene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avi		
Benzyl ald		<1.4 mg/kg dry	1.4	2	01/22/10	kb	01/26/10	avi		
	proisopropyl)ether	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avi		
•	henol (o-Cresol)	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avi		
	riphenol (m,p Cresol)	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avi		
_	di-n-propylamine	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avi		
Hexachlor	· · · · · ·	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Nitrobenzo		<0.072 mg/kg dry	0.072	2	01/22/10	kb	01/26/10	avl		
Isophoron		<0.18 mg/kg dry	0.072	2	01/22/10	kb	01/26/10	avl		
2-Nitrophe		<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
2,4-Dimet		<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
	roethoxy)methane	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Benzoic a	• •	<2.6 mg/kg dry	2.6	2	01/22/10	kb	01/26/10	avl		
	hlorobenzene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
2,4-Dichlo		<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Naphthale	·	0.23 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
4-Chloroa		<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avi		
	obutadiene	<0.072 mg/kg dry	0.072	2	01/22/10	kb	01/26/10	avl		
	3-methylphenol	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
	aphthalene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avi		
=	ocyclopentadiene	<0.37 mg/kg dry	0.10	2	01/22/10	kb	01/26/10	avl		
	nlorophenol	<0.072 mg/kg dry	0.072	2	01/22/10	kb	01/26/10	avl		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-08 Sample ID: Concrete-19HS1-10-1			Collected: Received:	01/21/10 14 01/22/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
SEMI-VOLATILE ORGANIC COM	POUNDS BY GC-MS								
2,4,5-Trichlorophenol	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
2-Chloronaphthalene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avi		
2-Nitroaniline	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Dimethyl phthalate	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Acenaphthylene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
2,6-Dinitrotoluene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
3-Nitroaniline	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Acenaphthene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Dibenzofuran	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
2,4-Dinitrotoluene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
4-Nitrophenol	<1.5 mg/kg dry	1.5	2	01/22/10	kb	01/26/10	avl		
2,4-Dinitrophenol	<1.5 mg/kg dry	1.5	2	01/22/10	kb	01/26/10	avl		
Diethyl phthalate	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Fluorene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
4-Chlorophenyl phenyl ether	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
4-Nitroaniline	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
4,6-Dinitro-2-methylphenol	<0.37 mg/kg dry	0.37	2	01/22/10	kb	01/26/10	avl		
N-Nitrosodiphenylamine	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avi		
4-Bromophenyl phenyl ether	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Hexachlorobenzene	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Pentachlorophenol	<0.78 mg/kg dry	0.78	2	01/22/10	kb	01/26/10	avl		
Phenanthrene	1.1 mg/kg dry	0.072	2	01/22/10	kb	01/26/10	avl		
Anthracene	0.28 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Carbazole	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Di-n-butyl phthalate	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Fluoranthene	0.90 mg/kg dry	0.072	2	01/22/10	kb	01/26/10	avl		
Pyrene	0.79 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Butyl benzyl phthalate	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Benzo (a) anthracene	0.39 mg/kg dry	0.072	2	01/22/10	kb	01/26/10	avi		
Chrysene	0.38 mg/kg dry	0.072	2	01/22/10	kb	01/26/10	avl		
3,3'-Dichlorobenzidine	<1.4 mg/kg dry	1.4	2	01/22/10	kb	01/26/10	avl	N	
Bis(2-ethylhexyl)phthalate	2.6 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Di-n-octyl phthalate	<0.18 mg/kg dry	0.18	2	01/22/10	kb	01/26/10	avl		
Benzo (b) fluoranthene	0.40 mg/kg dry	0.072	2	01/22/10	kb	01/26/10	avl		
Benzo (k) fluoranthene	0.13 mg/kg dry	0.072	2		kb	01/26/10	avi		
Benzo (a) pyrene	0.33 mg/kg dry	0.072	2	01/22/10	kb	01/26/10	avl		
Indeno (1,2,3-cd) pyrene	0.19 mg/kg dry	0.072	2	01/22/10	kb	01/26/10	avl		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-08 Sample ID: Concrete-19HS1-10-1			Collected: Received:	01/21/10 14 01/22/10 10		Matrix:			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
SEMI-VOLATILE ORGANIC COMF	POUNDS BY GC-MS								
Dibenz (a,h) anthracene	<0.072 mg/kg dry	0.072	2	01/22/10	kb	01/26/10	avl		
Benzo (g,h,i) perylene	0.17 mg/kg dry	0.072	2	01/22/10	kb	01/26/10	avl		
Surrogates:	= 0/							040.5	
2-Fluorophenol	* 5%	38-81	2	01/22/10	kb	01/26/10	avl	319.5	
Phenol-d5	* 24 %	32-102	2	01/22/10	kb	01/26/10	avi	319.5	
Nitrobenzene-d5	75 %	36-98	2	01/22/10	kb	01/26/10	avl		
2-Fluorobiphenyl	68 %	44-105	2	01/22/10	kb	01/26/10	avl		
2,4,6-Tribromophenol	* %	38-101	2	01/22/10	kb	01/26/10	avi	319.5	
Terphenyl-d14	76 %	46-109	2	01/22/10	kb	01/26/10	avl		
PESTICIDES/PCBS									
Analysis Method: EPA 8082									
Batch: T014534									
Aroclor-1016	<0.072 mg/kg dry	0.072	1	01/22/10	kb	01/22/10	tim		
Aroclor-1221	<0.072 mg/kg dry	0.072	1	01/22/10	kb	01/22/10	tim		
Aroclor-1232	<0.072 mg/kg dry	0.072	1	01/22/10	kb	01/22/10	tim		
Aroclor-1242	<0.072 mg/kg dry	0.072	1	01/22/10	kb	01/25/10	tim		
Aroclor-1248	<0.072 mg/kg dry	0.072	1	01/22/10	kb	01/22/10	tim		
Aroclor-1254	<0.072 mg/kg dry	0.072	1	01/22/10	kb	01/22/10	tim		
Aroclor-1260	<0.072 mg/kg dry	0.072	1	01/22/10	kb	01/22/10	tim		
Surrogates:									
Tetrachloro-m-xylene	101 %	40-113	1	01/22/10	kb	01/22/10	tim	N	
Decachlorobiphenyl	83 %	32-111	1	01/22/10	kb	01/22/10	tim	Ν	
METALS, TOTAL									
Analysis Method: EPA 6010B									
Batch: T014539									
Barium	53 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		
Cadmium	0.51 mg/kg dry	0.20	1	01/25/10	jd	01/25/10	jn		
Chromium	23 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		
Copper	11 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		
Lead	13 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		
Nickel	7.7 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		
Zinc	40 mg/kg dry	0.99	1	01/25/10	jd	01/25/10	jn		

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ANALYTICAL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A182-08 Sample ID: Concrete-19HS1-10-1			Collected: Received:	01/21/10 14 01/22/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	вч	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 6020									
Batch: T014539									
Arsenic	2.8 mg/kg dry	0.099	10	01/25/10	jd	01/25/10	jn		
Selenium	<0.20 mg/kg dry	0.20	10	01/25/10	jd	01/25/10	jn		
Silver	<0.098 mg/kg dry	0.098	10	01/25/10	jd	01/25/10	jn		
Analysis Method: EPA 7471A									
Batch: T014539									
Mercury	0.48 mg/kg dry	0.15	5	01/25/10	jd	01/25/10	jn		
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014537									
% Solids	92 % by Wt.	0.10	1	01/22/10	sm	01/22/10	jd	N	



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QUALITY CONTROL RESULTS

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014539

QC Batch Method: EPA 3051 Microwave Assisted

Digestions for Solids

Analysis Description: Barium, Total Analysis Method: EPA 6010B

METHOD BLANK: T014539-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Barium	mg/kg dry	<1.0	1.0	
Cadmium	mg/kg dry	<0.20	0.20	
Chromium	mg/kg dry	<2.0	2.0	
Copper	mg/kg dry	<1.0	1.0	
Nickel	mg/kg dry	<1.0	1.0	
Lead	mg/kg dry	<1.0	1.0	
Vanadium	mg/kg dry	<1.0	1.0	
Zinc	mg/kg dry	<1.0	1.0	

LABORATORY CONTROL SAMPLE: T014539-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Barium	mg/kg dry	40.0	38.1	95	80-120	
Cadmium	mg/kg dry	40.0	37.5	94	80-120	
Chromium	mg/kg dry	40.0	38.4	96	80-120	
Copper	mg/kg dry	40.0	37.5	94	80-120	
Nickel	mg/kg dry	40.0	37.7	94	80-120	
Lead	mg/kg dry	40.0	37.6	94	80-120	
Vanadium	mg/kg dry	40.0	40.0	100	80-120	
Zinc	mg/kg dry	40.0	37.2	93	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014539-MSD1 Original: T10A182-03

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Barium	mg/kg dry	26.7	39.3	65.7	62.3	98	90	75-125	8	20	
Cadmium	mg/kg dry	0.141	39.3	35.0	35.6	88	90	75-125	3	20	
Chromium	mg/kg dry	8.54	39.3	44.9	44.0	91	90	75-125	1	20	
Copper	mg/kg dry	13.3	39.3	49.9	46.7	92	85	75-125	8	20	
lickel	mg/kg dry	9.00	39.3	45.0	43.9	91	89	75-125	2	20	
.ead	mg/kg dry	11.0	39.3	49.1	45.2	96	87	75-125	9	20	
/anadium	mg/kg dry	18.2	39.3	62.3	64.4	111	117	75-125	6	20	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014539-MSD1

Original: T10A182-03

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max _RPD	Notes
Zinc	mg/kg dry	35.8	39.3	78.2	71.4	106	90	75-125	16	20	

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014539

QC Batch Method: EPA 3051 Microwave Assisted

Digestions for Solids

Analysis Description: Arsenic, Total

Analysis Method: EPA 6020

METHOD BLANK: T014539-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Arsenic	mg/kg dry	<0.10	0.10	
Selenium	mg/kg dry	<0.20	0.20	

LABORATORY CONTROL SAMPLE: T014539-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Arsenic	mg/kg dry	5.00	4.65	93	80-120	
Selenium	mg/kg dry	5.00	4.31	86	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014539-MSD1

Units

IS D	1	Original	: T10A18	2-03				
	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
	7 1 1	C E0	04	0.4	75 105	11	20	

Arsenic mg/kg dry 2.45 4.92 75-125 7.11 6.58 11 20 Selenium mg/kg dry 0.189 4.92 3.98 3.92 76 76 75-125 0.6 20

Spike

Conc.

Original

Result

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014546

QC Batch Method: EPA 3051 Microwave Assisted Digestion

with HCI

Parameter

Analysis Description: Silver, Total

Analysis Method: EPA 6020

METHOD BLANK: T014546-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	ma/ka dry	<0.10	0.10	

LABORATORY CONTROL SAMPLE: T014546-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Silver	ma/ka drv	5.00	4.56	91	80-120	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014546-MSD1 Original: T10A182-07

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Silver	mg/kg dry	0.0313	4.81	4.55	4.32	91	89	75-125	3	20	

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014539 Analysis Description: Mercury, Total, EPA 7470/7471

QC Batch Method: EPA 3051 Microwave Assisted

Digestions for Solids

Analysis Method: EPA 7471A

METHOD BLANK: T014539-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/kg dry	<0.050	0.050	

LABORATORY CONTROL SAMPLE: T014539-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	ma/ka dry	0.200	0.188	94	77-122	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014539-MSD1

Original: T10A182-03

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Mercury	mg/kg dry	0.0419	0.197	0.218	0.187	88	74	76-123	18	20	209

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014534 Analysis Description: PCBs
QC Batch Method: EPA 3550B Ultrasonic Extraction Analysis Method: EPA 8082

METHOD BLANK: T014534-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Aroclor-1016	mg/kg wet	<0.33	0.33	
Aroclor-1221	mg/kg wet	<0.33	0.33	
Aroclor-1232	mg/kg wet	<0.33	0.33	
Aroclor-1242	mg/kg wet	<0.33	0.33	
Aroclor-1248	mg/kg wet	<0.33	0.33	
Aroclor-1254	mg/kg wet	< 0.33	0.33	
Aroclor-1260	mg/kg wet	< 0.33	0.33	
Tetrachloro-m-xylene (S)	%	68	40-113	
Decachlorobiphenyl (S)	%	60	32-111	

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LABORATORY CONTROL SAMPLE: T014534-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Aroclor-1016	mg/kg wet	0.664	0.369	56	51-110	
Aroclor-1260	mg/kg wet	0.664	0.378	57	49-110	
Tetrachloro-m-xylene (S)	%	0.0332	0.0233	70	40-113	
Decachlorobiphenyl (S)	%	0.0332	0.0199	60	32-111	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014534-MSD1

Original: T10A182-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Aroclor-1016	mg/kg dry	0	0.738	0.391	<0.33	53	42	41-118	23	39	
Aroclor-1260	mg/kg dry	0	0.738	0.483	0.355	66	48	41-113	31	40	
Tetrachloro-m-xylene (S)	%		0.0369	0.0211	0.0161	57	44	40-113			
Decachlorobiphenyl (S)	%		0.0369	0.0213	0.0164	58	44	32-111			

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014533

Analysis Description: Semi-volatiles, TCL list

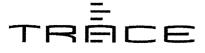
QC Batch Method: EPA 3550B Ultrasonic Extraction

Analysis Method: EPA 8270C

METHOD BLANK: T014533-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Bis(2-chloroethyl)ether	mg/kg wet	<0.033	0.033	
2-Chlorophenol	mg/kg wet	<0.083	0.083	
Phenol	mg/kg wet	<0.083	0.083	
1,3-Dichlorobenzene	mg/kg wet	<0.083	0.083	
1,4-Dichlorobenzene	mg/kg wet	<0.083	0.083	
1,2-Dichlorobenzene	mg/kg wet	<0.083	0.083	
Benzyl alcohol	mg/kg wet	<0.66	0.66	
Bis(2-chloroisopropyl)ether	mg/kg wet	<0.083	0.083	
2-Methylphenol (o-Cresol)	mg/kg wet	<0.083	0.083	
3,4-Methylphenol (m,p Cresol)	mg/kg wet	<0.083	0.083	
N-Nitrosodi-n-propylamine	mg/kg wet	<0.083	0.083	
Hexachloroethane	mg/kg wet	<0.083	0.083	
Nitrobenzene	mg/kg wet	< 0.033	0.033	
Isophorone	mg/kg wet	< 0.083	0.083	
2-Nitrophenol	mg/kg wet	< 0.083	0.083	
2,4-Dimethylphenol	mg/kg wet	<0.083	0.083	
Bis(2-chloroethoxy)methane	mg/kg wet	< 0.083	0.083	
Benzoic acid	mg/kg wet	<1.2	1.2	
1,2,4-Trichlorobenzene	mg/kg wet	<0.083	0.083	
2,4-Dichlorophenol	mg/kg wet	<0.083	0.083	
Naphthalene	mg/kg wet	<0.083	0.083	

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METHOD BLANK: T014533-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
-Chloroaniline	mg/kg wet	<0.083	0.083	
lexachlorobutadiene	mg/kg wet	< 0.033	0.033	
-Chloro-3-methylphenol	mg/kg wet	<0.083	0.083	
-Methylnaphthalene	mg/kg wet	<0.083	0.083	
łexachlorocyclopentadiene	mg/kg wet	<0.17	0.17	
,4,6-Trichlorophenol	mg/kg wet	<0.033	0.033	
,4,5-Trichlorophenol	mg/kg wet	<0.083	0.083	
-Chloronaphthalene	mg/kg wet	<0.083	0.083	
-Nitroaniline	mg/kg wet	<0.083	0.083	
Dimethyl phthalate	mg/kg wet	<0.083	0.083	
cenaphthylene	mg/kg wet	<0.083	0.083	
,6-Dinitrotoluene	mg/kg wet	<0.083	0.083	
-Nitroaniline	mg/kg wet	<0.083	0.083	
cenaphthene	mg/kg wet	<0.083	0.083	
Dibenzofuran	mg/kg wet	<0.083	0.083	
,4-Dinitrotoluene	mg/kg wet	<0.083	0.083	
-Nitrophenol	mg/kg wet	<0.67	0.67	
,4-Dinitrophenol	mg/kg wet	<0.67	0.67	
ethyl phthalate	mg/kg wet	<0.083	0.083	
luorene	mg/kg wet	< 0.083	0.083	
-Chlorophenyl phenyl ether	mg/kg wet	<0.083	0.083	
-Nitroaniline	mg/kg wet	<0.083	0.083	
,6-Dinitro-2-methylphenol	mg/kg wet	<0.17	0.17	
-Nitrosodiphenylamine	mg/kg wet	<0.083	0.083	
-Bromophenyl phenyl ether	mg/kg wet	<0.083	0.083	
exachlorobenzene	mg/kg wet	<0.083	0.083	
entachlorophenol	mg/kg wet	<0.36	0.36	
henanthrene	mg/kg wet	<0.033	0.033	
nthracene	mg/kg wet	<0.083	0.083	
arbazole	mg/kg wet	<0.083	0.083	
i-n-butyl phthalate	mg/kg wet	<0.083	0.083	
luoranthene	mg/kg wet	<0.033	0.033	
yrene	mg/kg wet	<0.083	0.083	
utyl benzyl phthalate	mg/kg wet	<0.083	0.083	
enzo (a) anthracene	mg/kg wet	<0.033	0.033	
hrysene	mg/kg wet	<0.033	0.033	
3'-Dichlorobenzidine	mg/kg wet	<0.66	0.66	
is(2-ethylhexyl)phthalate	mg/kg wet	<0.083	0.083	
i-n-octyl phthalate	mg/kg wet	<0.083	0.083	
enzo (b) fluoranthene	mg/kg wet	<0.033	0.033	
enzo (k) fluoranthene	mg/kg wet	<0.033	0.033	
enzo (a) pyrene	mg/kg wet	<0.033	0.033	
deno (1,2,3-cd) pyrene	mg/kg wet	<0.033	0.033	
ibenz (a,h) anthracene	mg/kg wet	<0.033	0.033	
(-,··) andinacono	mgmg wot	-0.000	0.000	



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METHOD BLANK: T014533-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
2-Fluorophenol (S)	%	53	38-81	
Phenol-d5 (S)	%	55	32-102	
Nitrobenzene-d5 (S)	%	59	36-98	
2-Fluorobiphenyl (S)	%	56	44-105	
2,4,6-Tribromophenol (S)	%	67	38-101	
Terphenyl-d14 (S)	%	70	46-109	

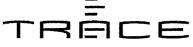
LABORATORY CONTROL SAMPLE: T014533-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2-Chlorophenol	mg/kg wet	3.32	2.50	75	49-93	
Phenol	mg/kg wet	3.32	2.50	75	40-90	
1,4-Dichlorobenzene	mg/kg wet	3.32	2.44	73	37-106	
N-Nitrosodi-n-propylamine	mg/kg wet	3.32	2.98	90	51-106	
1,2,4-Trichlorobenzene	mg/kg wet	3.32	2.50	75	49-100	
4-Chloro-3-methylphenol	mg/kg wet	3.32	2.67	80	50-96	
Acenaphthene	mg/kg wet	3.32	2.38	72	52-105	
2,4-Dinitrotoluene	mg/kg wet	3.32	2.79	84	51-108	
1-Nitrophenol	mg/kg wet	3.32	2.39	72	22-112	
Pentachlorophenol	mg/kg wet	3.32	2.96	89	30-111	
Pyrene	mg/kg wet	3.32	2.56	77	47-114	
2-Fluorophenol (S)	%	3.32	2.44	73	38-81	
Phenol-d5 (S)	%	3.32	2.63	79	32-102	
Nitrobenzene-d5 (S)	%	3.32	2.66	80	36-98	
?-Fluorobiphenyl (S)	%	3.32	2.34	70	44-105	
2,4,6-Tribromophenol (S)	%	3.32	2.86	86	38-101	
Ferphenyl-d14 (S)	%	3.32	2.82	85	46-109	

Original: T10A182-02 MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014533-MSD1

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
2-Chlorophenol	mg/kg dry	0	3.59	2.50	2.59	70	72	43-93	3	23	
Phenol	mg/kg dry	0	3.59	2.51	2.62	70	73	31-91	4	28	
1,4-Dichlorobenzene	mg/kg dry	0	3.59	2.42	2.45	68	68	43-92	1	33	
N-Nitrosodi-n-propylamine	mg/kg dry	0	3.59	3.07	3.16	86	88	32-121	2	26	
1,2,4-Trichlorobenzene	mg/kg dry	0	3.59	2.57	2.63	72	73	43-99	2	33	
4-Chloro-3-methylphenol	mg/kg dry	0	3.59	2.84	2.77	79	77	36-108	3	25	
Acenaphthene	mg/kg dry	0.191	3.59	2.85	2.70	74	70	46-111	6	31	
2,4-Dinitrotoluene	mg/kg dry	0	3.59	2.93	2.75	82	77	18-128	7	28	
4-Nitrophenol	mg/kg dry	0	3.59	2.37	2.31	66	64	15-125	3	26	
Pentachlorophenol	mg/kg dry	0	3.59	1.91	1.96	53	55	14-125	2	25	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014533-MSD1

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Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Pyrene	mg/kg dry	1.11	3.59	3.63	3.67	70	71	40-124	1	33	
2-Fluorophenol (S)	%		3.59	2.22	2.42	62	67	38-81			
Phenol-d5 (S)	%		3.59	2.51	2.68	70	75	32-102			
Nitrobenzene-d5 (S)	%		3.59	2.65	2.78	74	77	36-98			
2-Fluorobiphenyl (S)	%		3.59	2.54	2.54	71	71	44-105			
2,4,6-Tribromophenol (S)	%		3.59	2.99	3.07	84	85	38-101			
Terphenyl-d14 (S)	%		3.59	3.10	3.10	87	86	46-109			

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014570

Analysis Description: Semi-volatiles, TCL list

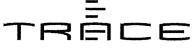
QC Batch Method: EPA 3550B Ultrasonic Extraction

Analysis Method: EPA 8270C

METHOD BLANK: T014570-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Bis(2-chloroethyl)ether	mg/kg wet	<0.10	0.10	
2-Chlorophenol	mg/kg wet	<0.33	0.33	
Phenol	mg/kg wet	<0.33	0.33	
1,3-Dichlorobenzene	mg/kg wet	<0.33	0.33	
1,4-Dichlorobenzene	mg/kg wet	< 0.33	0.33	
1,2-Dichlorobenzene	mg/kg wet	<0.33	0.33	
Benzyl alcohol	mg/kg wet	<3.3	3.3	
Bis(2-chloroisopropyl)ether	mg/kg wet	<0.33	0.33	
2-Methylphenol (o-Cresol)	mg/kg wet	<0.33	0.33	
3,4-Methylphenol (m,p Cresol)	mg/kg wet	< 0.33	0.33	
N-Nitrosodi-n-propylamine	mg/kg wet	<0.33	0.33	
Hexachloroethane	mg/kg wet	<0.30	0.30	
Nitrobenzene	mg/kg wet	<0.33	0.33	
sophorone	mg/kg wet	<0.33	0.33	
2-Nitrophenol	mg/kg wet	<0.33	0.33	
2,4-Dimethylphenol	mg/kg wet	<0.33	0.33	
3is(2-chloroethoxy)methane	mg/kg wet	<0.33	0.33	
Benzoic acid	mg/kg wet	<3.3	3.3	
1,2,4-Trichlorobenzene	mg/kg wet	<0.33	0.33	
2,4-Dichlorophenol	mg/kg wet	<0.33	0.33	
Naphthalene	mg/kg wet	<0.33	0.33	
l-Chloroaniline	mg/kg wet	<0.33	0.33	
lexachlorobutadiene	mg/kg wet	<0.050	0.050	
-Chioro-3-methylphenol	mg/kg wet	<0.28	0.28	
-Methylnaphthalene	mg/kg wet	<0.33	0.33	
fexachlorocyclopentadiene	mg/kg wet	<0.33	0.33	
2,4,6-Trichlorophenol	mg/kg wet	<0.33	0.33	

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METHOD BLANK: T014570-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
2,4,5-Trichlorophenol	mg/kg wet	<0.33	0.33	
2-Chloronaphthalene	mg/kg wet	<0.33	0.33	
2-Nitroaniline	mg/kg wet	<0.83	0.83	
Dimethyl phthalate	mg/kg wet	<0.33	0.33	
Acenaphthylene	mg/kg wet	<0.33	0.33	
2,6-Dinitrotoluene	mg/kg wet	<0.33	0.33	
3-Nitroaniline	mg/kg wet	<0.83	0.83	
Acenaphthene	mg/kg wet	<0.33	0.33	
Dibenzofuran	mg/kg wet	< 0.33	0.33	
2,4-Dinitrotoluene	mg/kg wet	<0.33	0.33	
4-Nitrophenol	mg/kg wet	<0.83	0.83	
2,4-Dinitrophenol	mg/kg wet	<0.83	0.83	
Diethyl phthalate	mg/kg wet	<0.33	0.33	
Fluorene	mg/kg wet	<0.33	0.33	
4-Chlorophenyl phenyl ether	mg/kg wet	<0.33	0.33	
1-Nitroaniline	mg/kg wet	<0.83	0.83	
4,6-Dinitro-2-methylphenol	mg/kg wet	<0.83	0.83	
N-Nitrosodiphenylamine	mg/kg wet	<0.33	0.33	
I-Bromophenyl phenyl ether	mg/kg wet	<0.33	0.33	
Hexachlorobenzene	mg/kg wet	<0.33	0.33	
Pentachlorophenol	mg/kg wet	<0.80	0.80	
Phenanthrene	mg/kg wet	<0.33	0.33	
Anthracene	mg/kg wet	<0.33	0.33	
Carbazole	mg/kg wet	<0.33	0.33	
Di-n-butyl phthalate	mg/kg wet	<0.33	0.33	
Fluoranthene	mg/kg wet	<0.33	0.33	
Pyrene	mg/kg wet	<0.33	0.33	
Butyl benzyl phthalate	mg/kg wet	<0.33	0.33	
Benzo (a) anthracene	mg/kg wet	<0.33	0.33	
Chrysene	mg/kg wet	<0.33	0.33	
3,3'-Dichlorobenzidine	mg/kg wet	<2.0	2.0	
Bis(2-ethylhexyl)phthalate	mg/kg wet	<0.33	0.33	
Di-n-octyl phthalate	mg/kg wet	<0.33	0.33	
Benzo (b) fluoranthene	mg/kg wet	<0.33	0.33	
Benzo (k) fluoranthene		<0.33	0.33	
	mg/kg wet	<0.33	0.33	
Benzo (a) pyrene ndeno (1,2,3-cd) pyrene	mg/kg wet	<0.33	0.33	
Dibenz (a,h) anthracene	mg/kg wet	<0.33	0.33	
, ,	mg/kg wet	<0.33 <0.33		
lenzo (g,h,i) perylene	mg/kg wet		0.33	
-Fluorophenol (S)	%	79 77	38-81	
Phenol-d5 (S)	%	77 85	32-102	
litrobenzene-d5 (S)	%	85 73	36-98	
-Fluorobiphenyl (S)	%	73	44-105	
,4,6-Tribromophenol (S)	%	89	38-101	
erphenyl-d14 (S)	%	92	46-109	



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Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014550

Analysis Description: Volatiles, Full MDEQ+ List

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous

Samples

Analysis Method: EPA 8260B

METHOD BLANK: T014550-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Dichlorodifluoromethane		<0.0050	0.0050	
Chloromethane	mg/kg wet	<0.0050	0.0050	
Vinyl chloride	mg/kg wet	<0.0050	0.0050	
Bromomethane	mg/kg wet	<0.0050	0.0050	
Chloroethane	mg/kg wet	<0.0050		
Trichlorofluoromethane	mg/kg wet	<0.0050	0.0050	
Acrolein	mg/kg wet	<0.050	0.0050	
	mg/kg wet	<0.050	0.050	
Diethyl ether	mg/kg wet		0.0050	
1,1-Dichloroethene	mg/kg wet	<0.0050	0.0050	
Acetone	mg/kg wet	<0.050	0.050	
odomethane	mg/kg wet	<0.0050	0.0050	
Carbon disulfide	mg/kg wet	<0.025	0.025	
Methyl-tert-butyl ether	mg/kg wet	<0.0050	0.0050	
Methylene chloride	mg/kg wet	<0.0050	0.0050	
Acrylonitrile	mg/kg wet	<0.050	0.050	
rans-1,2-Dichloroethene	mg/kg wet	<0.0050	0.0050	
1,1-Dichloroethane	mg/kg wet	<0.0050	0.0050	
Diisopropyl Ether	mg/kg wet	<0.0050	0.0050	
2-Butanone	mg/kg wet	<0.050	0.050	
cis-1,2-Dichloroethene	mg/kg wet	<0.0050	0.0050	
-Butyl Ethyl Ether	mg/kg wet	<0.0050	0.0050	
Bromochloromethane	mg/kg wet	<0.0050	0.0050	
Tetrahydrofuran	mg/kg wet	<0.020	0.020	
Chloroform	mg/kg wet	<0.0050	0.0050	
,1,1-Trichloroethane	mg/kg wet	<0.0050	0.0050	
Carbon tetrachloride	mg/kg wet	<0.0050	0.0050	
Benzene	mg/kg wet	<0.0050	0.0050	
-Amyl Methyl Ether	mg/kg wet	<0.0050	0.0050	
,2-Dichloroethane	mg/kg wet	<0.0050	0.0050	
Cyclohexane	mg/kg wet	<0.0050	0.0050	
richloroethene	mg/kg wet	<0.0050	0.0050	
,2-Dichloropropane	mg/kg wet	<0.0050	0.0050	
Dibromomethane	mg/kg wet	<0.0050	0.0050	
Bromodichloromethane	mg/kg wet	<0.0050	0.0050	
is-1,3-Dichloropropene	mg/kg wet	<0.0050	0.0050	
-Methyl-2-pentanone	mg/kg wet	<0.050	0.050	
oluene	mg/kg wet	<0.0050	0.0050	
ans-1,3-Dichloropropene	mg/kg wet	<0.0050	0.0050	
,1,2-Trichloroethane	mg/kg wet	<0.0050	0.0050	

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METHOD BLANK: T014550-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Tetrachloroethene	mg/kg wet	<0.0050	0.0050	
2-Hexanone	mg/kg wet	<0.050	0.050	
Dibromochloromethane	mg/kg wet	<0.0050	0.0050	
1,2-Dibromoethane (EDB)	mg/kg wet	<0.0050	0.0050	
Chlorobenzene	mg/kg wet	<0.0050	0.0050	
1,1,1,2-Tetrachloroethane	mg/kg wet	<0.0050	0.0050	
Ethylbenzene	mg/kg wet	<0.0050	0.0050	
m,p-Xylene	mg/kg wet	<0.010	0.010	
o-Xylene	mg/kg wet	<0.0050	0.0050	
(ylenes, total	mg/kg wet	<0.015	0.015	
Styrene	mg/kg wet	<0.0050	0.0050	
Bromoform	mg/kg wet	<0.0050	0.0050	
sopropylbenzene	mg/kg wet	<0.0050	0.0050	
,1,2,2-Tetrachloroethane	mg/kg wet	<0.0050	0.0050	
,2,3-Trichloropropane	mg/kg wet	<0.0050	0.0050	
rans-1,4-Dichloro-2-butene	mg/kg wet	<0.0050	0.0050	
Bromobenzene	mg/kg wet	<0.0050	0.0050	
-Propylbenzene	mg/kg wet	<0.0050	0.0050	
,3,5-Trimethylbenzene	mg/kg wet	<0.0050	0.0050	
-Butyl Benzene	mg/kg wet	<0.0050	0.0050	
,2,4-Trimethylbenzene	mg/kg wet	<0.0050	0.0050	
ec-Butylbenzene	mg/kg wet	<0.0050	0.0050	
-Isopropyltoluene	mg/kg wet	<0.0050	0.0050	
,3-Dichlorobenzene	mg/kg wet	<0.0050	0.0050	
,4-Dichlorobenzene	mg/kg wet	<0.0050	0.0050	
-Butylbenzene	mg/kg wet	<0.0050	0.0050	
,2,3-Trimethylbenzene	mg/kg wet	<0.0010	0.0010	
,2-Dichlorobenzene	mg/kg wet	<0.0050	0.0050	
,2-Dibromo-3-chloropropane	mg/kg wet	<0.0050	0.0050	
lexachloroethane	mg/kg wet	<0.0010	0.0010	
,2,4-Trichlorobenzene	mg/kg wet	<0.0050	0.0050	
laphthalene	mg/kg wet	<0.0050	0.0050	
,2,3-Trichlorobenzene	mg/kg wet	<0.0050	0.0050	
,2-Dichloroethane-d4 (S)	%	95	71-131	
oluene-d8 (S)	%	99	70-130	
-Bromofluorobenzene (S)	%	94	65-122	
,2-Dichlorobenzene-d4 (S)	%	95	54-134	

METHOD BLANK: T014550-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Dichlorodifluoromethane	mg/kg wet	<0.0050	0.0050	
Chloromethane	mg/kg wet	<0.0050	0.0050	
Vinyl chloride	mg/kg wet	<0.0050	0.0050	
Bromomethane	mg/kg wet	<0.0050	0.0050	

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METHOD BLANK: T014550-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Chloroethane	mg/kg wet	<0.0050	0.0050	
richlorofluoromethane	mg/kg wet	<0.0050	0.0050	
Acrolein	mg/kg wet	<0.050	0.050	
ethyl ether	mg/kg wet	<0.0050	0.0050	
,1-Dichloroethene	mg/kg wet	<0.0050	0.0050	
Acetone	mg/kg wet	<0.050	0.050	
odomethane	mg/kg wet	<0.0050	0.0050	
arbon disulfide	mg/kg wet	<0.025	0.025	
lethyl-tert-butyl ether	mg/kg wet	<0.0050	0.0050	
Methylene chloride	mg/kg wet	<0.0050	0.0050	
crylonitrile	mg/kg wet	< 0.050	0.050	
ans-1,2-Dichloroethene	mg/kg wet	<0.0050	0.0050	
,1-Dichloroethane	mg/kg wet	<0.0050	0.0050	
iisopropyl Ether	mg/kg wet	<0.0050	0.0050	
-Butanone	mg/kg wet	<0.050	0.050	
is-1,2-Dichloroethene	mg/kg wet	<0.0050	0.0050	
Butyl Ethyl Ether	mg/kg wet	<0.0050	0.0050	
romochloromethane	mg/kg wet	<0.0050	0.0050	
etrahydrofuran	mg/kg wet	<0.020	0.020	
hloroform	mg/kg wet	<0.0050	0.0050	
1,1-Trichloroethane	mg/kg wet	<0.0050	0.0050	
arbon tetrachloride	mg/kg wet	<0.0050	0.0050	
enzene	mg/kg wet	<0.0050	0.0050	
Amyl Methyl Ether	mg/kg wet	< 0.0050	0.0050	
2-Dichloroethane	mg/kg wet	< 0.0050	0.0050	
yclohexane	mg/kg wet	<0.0050	0.0050	
richloroethene	mg/kg wet	<0.0050	0.0050	
2-Dichloropropane	mg/kg wet	<0.0050	0.0050	
ibromomethane	mg/kg wet	<0.0050	0.0050	
romodichloromethane	mg/kg wet	<0.0050	0.0050	
s-1,3-Dichloropropene	mg/kg wet	<0.0050	0.0050	
Methyl-2-pentanone	mg/kg wet	<0.050	0.050	
pluene	mg/kg wet	<0.0050	0.0050	
ans-1,3-Dichloropropene	mg/kg wet	<0.0050	0.0050	
1,2-Trichloroethane	mg/kg wet	<0.0050	0.0050	
etrachloroethene	mg/kg wet	<0.0050	0.0050	
Hexanone	mg/kg wet	<0.050	0.050	
bromochloromethane	mg/kg wet	<0.0050	0.0050	
2-Dibromoethane (EDB)	mg/kg wet	<0.0050	0.0050	
nlorobenzene	mg/kg wet	<0.0050	0.0050	
1,1,2-Tetrachloroethane	mg/kg wet	<0.0050	0.0050	
hylbenzene	mg/kg wet	<0.0050	0.0050	
,p-Xylene	mg/kg wet	<0.010	0.010	
Xylene	mg/kg wet	<0.0050	0.0050	
ylenes, total	mg/kg wet	<0.015	0.015	

CERTIFICATE OF ANALYSIS



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Trace Analytical Laboratories, Inc. 2241 Black Creek Road Muskegon, MI 49444-2673 info@trace-labs.com www.trace-labs.com

METHOD BLANK: T014550-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Styrene	mg/kg wet	<0.0050	0.0050	
Bromoform	mg/kg wet	<0.0050	0.0050	
Isopropylbenzene	mg/kg wet	<0.0050	0.0050	
1,1,2,2-Tetrachloroethane	mg/kg wet	<0.0050	0.0050	
1,2,3-Trichloropropane	mg/kg wet	<0.0050	0.0050	
trans-1,4-Dichloro-2-butene	mg/kg wet	<0.0050	0.0050	
Bromobenzene	mg/kg wet	<0.0050	0.0050	
n-Propylbenzene	mg/kg wet	<0.0050	0.0050	
1,3,5-Trimethylbenzene	mg/kg wet	<0.0050	0.0050	
t-Butyl Benzene	mg/kg wet	<0.0050	0.0050	
1,2,4-Trimethylbenzene	mg/kg wet	<0.0050	0.0050	
sec-Butylbenzene	mg/kg wet	<0.0050	0.0050	
o-Isopropyltoluene	mg/kg wet	<0.0050	0.0050	
1,3-Dichlorobenzene	mg/kg wet	<0.0050	0.0050	
1,4-Dichlorobenzene	mg/kg wet	<0.0050	0.0050	
n-Butylbenzene	mg/kg wet	<0.0050	0.0050	
1,2,3-Trimethylbenzene	mg/kg wet	<0.0010	0.0010	
1,2-Dichlorobenzene	mg/kg wet	<0.0050	0.0050	
1,2-Dibromo-3-chloropropane	mg/kg wet	<0.0050	0.0050	
Hexachloroethane	mg/kg wet	<0.0010	0.0010	
1,2,4-Trichlorobenzene	mg/kg wet	<0.0050	0.0050	
Naphthalene	mg/kg wet	<0.0050	0.0050	
1,2,3-Trichlorobenzene	mg/kg wet	<0.0050	0.0050	
1,2-Dichloroethane-d4 (S)	%	95	71-131	
Γoluene-d8 (S)	%	96	70-130	
4-Bromofluorobenzene (S)	%	93	65-122	
,2-Dichlorobenzene-d4 (S)	%	94	54-134	

LABORATORY CONTROL SAMPLE: T014550-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,1-Dichloroethene	mg/kg wet	0.0200	0.0202	101	65-144	
Benzene	mg/kg wet	0.0200	0.0202	101	65-129	
Trichloroethene	mg/kg wet	0.0200	0.0208	104	60-130	
Toluene	mg/kg wet	0.0200	0.0202	101	61-129	
Chlorobenzene	mg/kg wet	0.0200	0.0200	100	63-123	
1,2-Dichloroethane-d4 (S)	%	30.0	27.4	91	71-131	
Toluene-d8 (S)	%	30.0	29.7	99	70-130	
4-Bromofluorobenzene (S)	%	30.0	28.4	95	65-122	
1,2-Dichlorobenzene-d4 (S)	%	30.0	28.2	94	54-134	



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LABORATORY CONTROL SAMPLE: T014550-BS2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,1-Dichloroethene	mg/kg wet	0.0400	0.0392	98	65-144	
Benzene	mg/kg wet	0.0400	0.0409	102	65-129	
Trichloroethene	mg/kg wet	0.0400	0.0418	105	60-130	
Toluene	mg/kg wet	0.0400	0.0406	101	61-129	
Chlorobenzene	mg/kg wet	0.0400	0.0404	101	63-123	
1,2-Dichloroethane-d4 (S)	%	30.0	27.4	91	71-131	
Toluene-d8 (S)	%	30.0	29.6	98	70-130	
4-Bromofluorobenzene (S)	%	30.0	28.2	94	65-122	
1,2-Dichlorobenzene-d4 (S)	%	30.0	28.2	94	54-134	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014550-MSD1

Original: T10A182-03

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
1,1-Dichloroethene	mg/kg dry	0	0.0179	0.0173	0.0160	90	89	62-173	0.4	33	
Benzene	mg/kg dry	0	0.0179	0.0175	0.0162	91	90	64-142	0.6	21	
Trichloroethene	mg/kg dry	0	0.0179	0.0307	0.0279	159	156	60-158	2	21	208
Toluene	mg/kg dry	0	0.0179	0.0172	0.0162	89	90	51-195	1	28	
Chlorobenzene	mg/kg dry	0	0.0179	0.0167	0.0157	87	88	47-161	1	24	
1,2-Dichloroethane-d4 (S)	%		30.0	27.8	27.1	93	90	71-131			
Toluene-d8 (S)	%		30.0	30.5	29.7	102	99	70-130			
4-Bromofluorobenzene (S)	%		30.0	30.2	29.6	101	99	65-122			
1,2-Dichlorobenzene-d4 (S)	%		30.0	28.9	28.9	96	96	54-134			

Trace Project ID: T10A182

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014537 QC Batch Method: % Solids Analysis Description: Solids, Dry Weight

Analysis Method: % Calculation

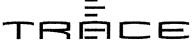
SAMPLE DUPLICATE: T014537-DUP1 Original: T10A182-01

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
% Solids	% by Wt.	90.4	90.4	0.07	20	

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phone toll-free fax	
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		the acience	of complianc		fax 231.77	3.6537	Muskegon, MI www.trace-lab		673		ONITA	Logge	d By	IJ	<i>⊃</i> γ	nel	\mathcal{F}	Che	ecked	ву: 🕢	N/D				
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In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.



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SAMPLE LOG IN CHECKLIST

Date: <u>/ ー ス</u> コー/ つ	Client Name: <u>R</u>	1 T	# of Coolers:/						
Trace ID #: 1109/82	Project Name:		Cooler #s:						
	Logged in by:	Smett	Cooler #s:						
Cóoler Receipt									
	Trace courier								
Cooler/samples delivered by:	Hand delivered	Name of delivery person							
	Commercial courier		HL FED EX US Mail						
Did cooler come with a bill of lading?	No	<u></u>	Applicable						
	Yes		#						
COC Seals present and intact on cooler?	No Yes	Not Applicable							
Custody seals signed by Client?	No C	Client custody seal # (if applicable	le):						
Cacca, cours against 5, canonic	Yes								
	Coolant and	l Temperature							
Type of Coolant Use	ed	Cooler Temperature	Correction Factor 40-2 °C						
	Yes No	Dale: 1 - 22-10	Time: 10:41						
Slurry w/ crushed, cubed, or chip ice?		Temperature Blan							
Multiple bags of ice around samples?		Range of 3 sample							
Ice Packs/ Blue Ice :		Melt Wate							
No Coolant Present:		ice still present upon receip	pt: Yes No						
	General								
	DC toward to incide of a	ander lid?	Yes No NA						
All bottles arrived unbroke	n with labels in good c	ooler lid? ondition?							
		stic bag?							
		mpletely?							
All bottle labels agree	with Chain of Custody		[
		quested?							
		rrect pH?							
•	preservative added to s	Andrewson the second se							
DRO/GRO samples received and approp		m VOAs?							
	t properly and signed t								
		istodian?							
Was project manager of									
Contact:		Date	e:						
Notes:									
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LOGIN4

TRACE Analytical Laboratories. Inc.

Rev.8 11/21/06

CERTIFICATE OF ANALYSIS

phane son free fax 231 773 5998 800 7345998 23. 223 6537 Truce Analytical Laboratories, Inc. 2241 Black Circk Road Muskegon, NJ 49444 2624 Assurance Accuracy Accountability

FIELD WORKSHEET FOR METHANOL PRESERVED SOILS

CLIENT:	RMT	TRACE QUOTE #:	
PROJECT:		TRACE ID:	T10A182
DATE SAMPLED:		LOG-IN DATE:	

*IT IS RECOMMENDED THAT WHEN SAMPLING, 10 GRAMS of SOIL BE COLLECTED

TRACE SAMPLE ID	CLIENT SAMPLE ID	JAR WT (g)	WT of SOIL (g)	JAR + SOIL + MeOH (g)	LAB WT CHECK (g)	FOR LAB USE ONLY COMMENTS	LAB USE ONLY (ml MeOH)
OI A	5519H51-10-1-A	32.19			38.4		
01 B	16-1B	32.10			38.4		
OIC	10-10	34.04			462		
02 A	10·2-A	31.99			38.1		
02 B	15-2-B	3230			38.6		
02 C	10.2.6	34.02			442		
03 A	10-3-A	32.23			44.2		
03-B	16.3.B	35 ar			38./		
03-C	16-3-0	32.01			38.0		
04-A	10-4-A	32.34			38.6		

For complete sampling information please refer to the Chain-of-Custody for this project. G:\QA/QC Program Folder\VOC Pres Information\FIELD WORKSHEET FOR METHANOL PRESERVED SOILS

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Lab use: Sample Weight Checked by: Version 1.3 - 09-20-2001

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Report ID: T10A182 FINAL 02 16 10 1016

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FIELD WORKSHEET FOR METHANOL PRESERVED SOILS

CLIENT:	TRACE QUOTE #:	
PROJECT:	TRACE ID:	TIGAISA
DATE SAMPLED:	LOG-IN DATE:	

*IT IS RECOMMENDED THAT WHEN SAMPLING, 10 GRAMS of SOIL BE COLLECTED

Trace Analytical Laboratories, Inc. 2241 Black Creek Road Muskegon, Ml 4944-2673 info@trace-labs.com www.trace-labs.com	TRACE SAMPLE ID	CLIENT SAMPLE ID	JAR WT (g)	WT of SOIL (g)	JAR + SOIL + MeOH (g)	LAB WT CHECK (g)	FOR LAB USE ONLY COMMENTS	LAB USE ONLY (ml MeOH)
aborator load 44-2673 m	04-B	10-4-8	32.18			38.4		
ytical L Creek F Ml 494 Alabs.co	04-6	10-4c	33.94			464		
tce Anal p Black skegon, ogtrace	05·A	16-5-A	32.12			38.8		
	05-B	16-5-B	32.05			38.2		
231.773.5998 800.733.5998 231.773.6537	05·C	105-5	34.57			47.2		
	OG-A	16-G-A	32.08			37.8		
phone toll-free fax	06-B	10-6-B	32.05			37.7		
	66-C	10-4-6	34.03			46.2		
ience of compliance	07-A	10-7-A	31.92			379		
ince of c	07-B	107·B	34.21		<u> </u>	38,3		

For complete sampling information please refer to the Chain-of-Custody for this project. G:\QA/QC Program FoldenVOC Pres Information\FIELD WORKSHEET FOR METHANOL PRESERVED SOILS

Lab use: Sample Weight Checked by: Version 1.3 - 09-20-2001

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Frace Analytical Laboratories, Inc. 1241 Black Cleek Road Muskeyon, MI 49444-2573 traceanalyticalificad screens com phone tall-fr--jus 131.773 5998 hou 714.549d 21, 173 6532 Assistance Accuracy Accountability

FIELD WORKSHEET FOR METHANOL PRESERVED SOILS

	CLIENT: PROJECT: DATE SAMI	PLED:			TRACE	QUOTE #: _ ID: DATE:	TIOA	182	
		*IT IS RECO	OMMENDE	THAT W	HEN SAMPL	ING, 10 GRA	MS of SO	L BE COLLECTED	
Trace Analytical Laboratories, Inc. 2241 Black Creek Road Muskegon, MI 49444-2673 info@trace-labs.com www.trace-labs.com	TRACE SAMPLE ID	CLIENT SAMPLE ID	JAR WT (g)	WT of SOIL (g)	JAR + SOIL + MeOH (g)	LAB WT CHECK (g)		FOR LAB USE ONLY COMMENTS	LAB USE ONLY (mi MeOH)
aboratori load 44-2673 m	07-C	10-7-6	34.13	(<u>8</u>)		44.2	L		
Iytical L Creek B 1, Ml 494 e-labs.co	08-A	CONCRETE 104-A	32.07			38./			
race Ana 141 Black uskegon Ifo@trace	08-8	8	31.99			37.8			
	08-0	c	34.08			46.3			
231.773.5998 800.733.5998 231.773.6537									
phone toll·free fax									
pliance									

For complete sampling information please refer to the Chain-of-Custody for this project.

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Lab use: Sample Weight Checked by: Version 1.3 – 09-20-2001



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231-273-5996 599-233-5995 231-223-9332 20171.

Trave Analytical Laboratories in Microscope Mil pagagastry controller Laborator and Laborator www.controller.com

Rottle Order Form

	ottie Older Follin
Trace Project Manager: Jon Mink	Bottle Order Expiration Date:
Client: RMT, Inc.	Contact: Jennifer Overvoorde
Ship to: Quality inn Ledgewood	Project: L.E.C. MW19HS1 Confirmation Samples
1691 Route 46 West	
Ledgewood, NJ 07852	Telephone No.: (616)975-5415
Attn: Scott Pawlukiewicz (Guest)	Date Required: 01/14/10
Parameters:	
Matrix # Samples Parameter	Matrix # Samples Parameter
S 35 8260 BTEX, DEHP	9120413
0 00 0200 01000, 000111	II .
	9120412
	9120405
	9/30403
Samula Cantalanas	
Sample Containers:	
# Bottles Bottle Type Preservative	Sampling Instructions / # of bottles per sample
40 Terracore Kits DI/MeOH	1 kit per sample point (2 at MS/MSD)
** 1 case DI Vials being drop shipped to site, includ	e extra foams and several small coolers.**
Please put 6g soil in DI Water Vials and 12g soil into	MeOH Vials
	46.4
Additional Supplies: ,	
_abels: Yes	COCs: 40 MGH V.15
Cooler: Yes	Temp Blar
rip Blanks Yes	Instructio 40
	7 7 7
flethod of Shipment: UPS-reg.	DI 120: STR
Date Sent/Initials: <u>/ - / / - / O</u>	Filled By
	TRIP BLANK - CING
SEE REVERSE SIDE FOR IMPORTANT SAM	IPLE ACCE
02/06	Boform.xls



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February 04, 2010

Ms. Jennifer Overvoorde RMT, Inc. 2025 E. Beltline Ave. SE Suite 402 Grand Rapids, MI 49546

Phone: (616) 975-5415 Fax: (616) 975-1098

RE: Trace Project

T10B014

Client Project

LEC MW19HS1 Remediation / 6527.40

Dear Ms. Overvoorde:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

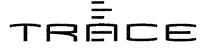
If you have questions concerning this report, please contact me at 231.773.5998 or by email at imink@trace-labs.com.

Sincerely.

Jon Maink Project Manager

Enclosures





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SAMPLE SUMMARY

Trace Project ID:

T10B014

Client Project ID:

LEC MW19HS1 Remediation / 6527.40

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T10B014-01	SS-19HS1-20S10W	Soil	sp	02/01/10 11:00	02/02/10 10:22
T10B014-02	SS-19HS1-30S10W	Soil	sp	02/01/10 11:20	02/02/10 10:22
T10B014-03	SS-19HS1-20S27W	Soil	sp	02/01/10 11:45	02/02/10 10:22
T10B014-04	SS-19HS1-30S27W	Soil	sp	02/01/10 12:10	02/02/10 10:22
T10B014-05	SS-19HS1-20S45W	Soil	sp	02/01/10 13:45	02/02/10 10:22
T10B014-06	SS-19HS1-30S45W	Soil	sp	02/01/10 14:00	02/02/10 10:22
T10B014-07	Trip Blank	Water	sp	01/11/10	02/02/10 10:22



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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

Matrix Spike MS

Matrix Spike Duplicate MSD Relative Percent Difference **RPD**

DUP Matrix Duplicate

Reporting Detection Limit RDL Maximum Contamination Limit MCL Tentatively Identified Compound TIC

<, ND or U Indicates the compound was analyzed for but not detected

Indicates a result that exceeds its associated MCL or Surrogate control limits

Indicates that the compound has not been evaluated by NELAC Ν

NA Indicates that the compound is not available.

DATA QUALIFIERS

Trace ID: T10B014-01 Analysis: EPA 8270C	
2-Fluorobiphenyl	Note 802: One of the base/neutral surrogate recoveries was outside the control limits. Since the other two base/neutral surrogates were within the control limits, no data require qualification.
Trace ID: T10B014-02	
Analysis: EPA 8260B	
4-Bromofluorobenzene	Note 311. The surrogate recovery was out of control high when compared to the

The surrogate recovery was out of control high when compared to the control limits, due to analyte interference. No data require qualification.



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ANALYTICAL RESULTS

Trace Project ID: T10B014

% Solids

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B014-01 SS-19HS1-20S10W			Collected: Received:	02/01/10 11 02/02/10 10		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	в ВҮ	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUNI	DS BY GC-MS						_		
Analysis Me	ethod: EPA 8260B									
Batch:	T014669									
Benzene		<0.0052 mg/kg dry	0.0052	1	02/02/10	jp	02/02/10	jp		
Toluene		0.034 mg/kg dry	0.0052	1	02/02/10	jp	02/02/10	jp		
Ethylbenz	ene	<0.0052 mg/kg dry	0.0052	1	02/02/10	jp	02/02/10	jp		
m,p-Xyler	ne	<0.010 mg/kg dry	0.010	1	02/02/10	jp	02/02/10	jp	N	
o-Xylene		<0.0052 mg/kg dry	0.0052	1	02/02/10	jp	02/02/10	jp	N	
Xylenes, t	total	<0.016 mg/kg dry	0.016	1	02/02/10	jp	02/02/10	jp	N	
Surrogate	es:									
1,2-Dich	loroethane-d4	92 %	71-131	1	02/02/10	jp	02/02/10	jp		
Toluene	-d8	112 %	70-130	1	02/02/10	jp	02/02/10	jp		
4-Bromo	ofluorobenzene	117 %	65-122	1	02/02/10	jp	02/02/10	jp		
1,2-Dich	nlorobenzene-d4	92 %	54-134	1	02/02/10	jp	02/02/10	jp		
SEMI-VOLA	ATILE ORGANIC COMF	POUNDS BY GC-MS								
Analysis Me	thod: EPA 8270C									
Batch: 7										
Bis(2-ethy	hexyl)phthalate	<0.33 mg/kg dry	0.33	1	02/02/10	kb	02/02/10	avl		
Surrogate	es:									
_	zene-d5	47 %	36-98	1	02/02/10	kb	02/02/10	avl		
2-Fluoro	biphenyl	* 38 %	44-105	1	02/02/10	kb	02/02/10	avl	802	
Terphen	yl-d14	55 %	46-109	1	02/02/10	kb	02/02/10	avi		
VET CHEN	MISTRY									
Analvsis Me	thod: % Calculation									
Batch: 7										

CERTIFICATE OF ANALYSIS

69 % by Wt.

0.10

1

02/02/10

sm

02/03/10



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ANALYTICAL RESULTS

Trace Project ID: T10B014

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B014-02 SS-19HS1-30S10W			Collected: Received:	02/01/10 11 02/02/10 10		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
VOLATILE	ORGANIC COMPOUN	DS BY GC-MS								
Analysis Me	thod: EPA 8260B									
Batch:	T014669									
Benzene		<0.0047 mg/kg dry	0.0047	1	02/02/10	jp	02/02/10	jp		
Toluene	•	0.018 mg/kg dry	0.0047	1	02/02/10	jp	02/02/10	jp		
Ethylbenz	ene	<0.0047 mg/kg dry	0.0047	1	02/02/10	jp	02/02/10	jp		
m,p-Xyler	ne	<0.0094 mg/kg dry	0.0094	1	02/02/10	jp	02/02/10	jp	N	
o-Xylene		<0.0047 mg/kg dry	0.0047	1	02/02/10	jp	02/02/10	jp	N	
Xylenes, t	otal	<0.014 mg/kg dry	0.014	1	02/02/10	jp	02/02/10	jp	N	
Surrogate	es:									
1,2-Dich	loroethane-d4	95 %	71-131	1	02/02/10	jp	02/02/10	jp		
Toluene	-d8	127 %	70-130	1	02/02/10	jp	02/02/10	jp		
4-Bromo	ofluorobenzene	* 127 %	65-122	1	02/02/10	jp	02/02/10	jp	311	
1,2-Dich	lorobenzene-d4	118 %	54-134	1	02/02/10	jp	02/02/10	jp		
SEMI-VOLA	ATILE ORGANIC COMP	POUNDS BY GC-MS								
Analysis Me	thod: EPA 8270C									
Batch: 7	⁻ 014660									
Bis(2-ethy	lhexyl)phthalate	<0.33 mg/kg dry	0.33	2	02/02/10	kb	02/02/10	avl		
Surrogate	es:									
Nitroben	zene-d5	72 %	36-98	2	02/02/10	kb	02/02/10	avl		
2-Fluoro	biphenyl	60 %	44-105	2	02/02/10	kb	02/02/10	avl		
Terphen	yl-d14	69 %	46-109	2	02/02/10	kb	02/02/10	avl		
NET CHEN	IISTRY									
Analysis Me	thod: % Calculation									
Batch: T										

CERTIFICATE OF ANALYSIS

87 % by Wt.

0.10

1

02/02/10

sm

02/03/10

% Solids



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ANALYTICAL RESULTS

Trace Project ID: T10B014

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B014-03 Sample ID: SS-19HS1-20S27W			Date Collected: Date Received:		02/01/10 11:45 02/02/10 10:22		Matrix: Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARE	BY	ANALYZED	вү	NOTES	MC
VOLATILE ORGANIC COMPOUN	NDS BY GC-MS								
Analysis Method: EPA 8260B Batch: T014669									
Benzene	<0.0048 mg/kg dry	0.0048	1	02/02/10	jp	02/02/10	jp		
Toluene	0.024 mg/kg dry	0.0048	1	02/02/10	jp	02/02/10	jp		
Ethylbenzene	<0.0048 mg/kg dry	0.0048	1	02/02/10	jp	02/02/10	jp		
m,p-Xylene	<0.0097 mg/kg dry	0.0097	1	02/02/10	jp	02/02/10	jp	N	
o-Xylene	<0.0048 mg/kg dry	0.0048	1	02/02/10	jp	02/02/10	jp	N	
Xylenes, total	<0.015 mg/kg dry	0.015	1	02/02/10	jp	02/02/10	jp	N	
Surrogates:									
1,2-Dichloroethane-d4	96 %	71-131	1	02/02/10	jp	02/02/10	jp		
Toluene-d8	112 %	70-130	1	02/02/10	jp	02/02/10	jp		
4-Bromofluorobenzene	113 %	65-122	1	02/02/10	jp	02/02/10	jp		
1,2-Dichlorobenzene-d4	105 %	54-134	1	02/02/10	jp	02/02/10	jp		
SEMI-VOLATILE ORGANIC COM	IPOUNDS BY GC-MS								
Analysis Method: EPA 8270C Batch: T014660									
Bis(2-ethylhexyl)phthalate	<0.33 mg/kg dry	0.33	1	02/02/10	kb	02/03/10	avl		
Surrogates:									
Nitrobenzene-d5	62 %	36-98	1	02/02/10	kb	02/03/10	avl		
2-Fluorobiphenyl	50 %	44-105	1	02/02/10	kb	02/03/10	avl		
Terphenyl-d14	74 %	46-109	1	02/02/10	kb	02/03/10	avl		
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014662									
=									

CERTIFICATE OF ANALYSIS

77 % by Wt.

0.10

02/02/10

sm

02/03/10

% Solids



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ANALYTICAL RESULTS

Trace Project ID: T10B014

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B014-04 SS-19HS1-30S27W			Collected: Received:	02/01/10 12: 02/02/10 10:		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUN	DS BY GC-MS								
Analysis Me	ethod: EPA 8260B									
Batch:	T014669									
Benzene		<0.0043 mg/kg dry	0.0043	1	02/02/10	jp	02/02/10	jp		
Toluene		0.014 mg/kg dry	0.0043	1	02/02/10	jp	02/02/10	jp		
Ethylbenz	zene	<0.0043 mg/kg dry	0.0043	1	02/02/10	jp	02/02/10	jp		
m,p-Xylei	ne	<0.0086 mg/kg dry	0.0086	1	02/02/10	jp	02/02/10	jp	N	
o-Xylene		<0.0043 mg/kg dry	0.0043	1	02/02/10	jp	02/02/10	jp	N	
Xylenes,	total	<0.013 mg/kg dry	0.013	1	02/02/10	jp	02/02/10	jp	N	
Surrogate	es:									
1,2-Dich	nloroethane-d4	98 %	71-131	1	02/02/10	jp	02/02/10	jp		
Toluene	e-d8	110 %	70-130	1	02/02/10	jp	02/02/10	jp		
4-Bromo	ofluorobenzene	119 %	65-122	1	02/02/10	jp	02/02/10	jp		
1,2-Dich	nlorobenzene-d4	111 %	54-134	1	02/02/10	jp	02/02/10	jp		
SEMI-VOL	ATILE ORGANIC COMF	POUNDS BY GC-MS								
Analysis Me	ethod: EPA 8270C									
Batch:	 -									
Bis(2-eth	ylhexyi)phthalate	0.44 mg/kg dry	0.33	2	02/02/10	kb	02/03/10	avi		
Surrogate	es:									
Nitrober	nzene-d5	85 %	36-98	2	02/02/10	kb	02/03/10	avl		
2-Fluoro	biphenyl	74 %	44-105	2	02/02/10	kb	02/03/10	avi		
Terphen	yl-d14	86 %	46-109	2	02/02/10	kb	02/03/10	avl		
	MISTRY									
WEICHEN										
	thod: % Calculation									

CERTIFICATE OF ANALYSIS

88 % by Wt.

0.10

1

02/02/10

sm

02/03/10

% Solids



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ANALYTICAL RESULTS

Trace Project ID: T10B014

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B014-05 Sample ID: SS-19HS1-20S45W			Collected: Received:	02/01/10 13 02/02/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
VOLATILE ORGANIC COMPOUN	DS BY GC-MS					•			
Analysis Method: EPA 8260B									
Batch: T014669									
Benzene	<0.0023 mg/kg dry	0.0023	1	02/02/10	jp	02/02/10	jp		
Toluene	0.028 mg/kg dry	0.0023	1	02/02/10	jp	02/02/10	jp		
Ethylbenzene	<0.0023 mg/kg dry	0.0023	1	02/02/10	jp	02/02/10	jp		
m,p-Xylene	0.0072 mg/kg dry	0.0046	1	02/02/10	jp	02/02/10	jp	N	
o-Xylene	<0.0023 mg/kg dry	0.0023	1	02/02/10	jp	02/02/10	jp	N	
Xylenes, total	0.0095 mg/kg dry	0.0070	1	02/02/10	jp	02/02/10	jp	N	
Surrogates:									
1,2-Dichloroethane-d4	101 %	71-131	1	02/02/10	jp	02/02/10	jp		
Toluene-d8	102 %	70-130	1	02/02/10	jp	02/02/10	jρ		
4-Bromofluorobenzene	105 %	65-122	1	02/02/10	jp	02/02/10	jp		
1,2-Dichlorobenzene-d4	96 %	54-134	1	02/02/10	jp	02/02/10	jp		
SEMI-VOLATILE ORGANIC COM	POUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T014660									
Bis(2-ethylhexyl)phthalate	18 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Surrogates:	63 %		_			00/00/40			
Nitrobenzene-d5		36-98	5	02/02/10	kb	02/03/10	avl		
2-Fluorobiphenyl	58 %	44-105	5	02/02/10	kb	02/03/10	avl		
Terphenyl-d14	76 %	46-109	5	02/02/10	kb	02/03/10	avl		
VET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014662									

CERTIFICATE OF ANALYSIS

85 % by Wt.

0.10

1

02/02/10

sm

02/03/10

% Solids



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ANALYTICAL RESULTS

Trace Project ID: T10B014

% Solids

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B014-06 SS-19HS1-30S45W			Collected: Received:	02/01/10 14 02/02/10 10		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARE) ВҮ	ANALYZED	вү	NOTES	MCI
VOLATILE	ORGANIC COMPOUN	DS BY GC-MS								
Analysis Me	ethod: EPA 8260B									
Batch:	T014669									
Benzene		<0.0022 mg/kg dry	0.0022	1	02/02/10	jp	02/02/10	jp		
Toluene		0.0048 mg/kg dry	0.0022	1	02/02/10	jp	02/02/10	jp		
Ethylbenz	ene	<0.0022 mg/kg dry	0.0022	1	02/02/10	jp	02/02/10	jp		
m,p-Xyler	ne	<0.0043 mg/kg dry	0.0043	1	02/02/10	jp	02/02/10	jp	N	
o-Xylene		<0.0022 mg/kg dry	0.0022	1	02/02/10	jp	02/02/10	jp	N	
Xylenes,	total	<0.0065 mg/kg dry	0.0065	1	02/02/10	jp	02/02/10	jp	N	
Surrogate	es:									
1,2-Dich	loroethane-d4	99 %	71-131	1	02/02/10	jp	02/02/10	jp		
Toluene	-d8	97 %	70-130	1	02/02/10	jp	02/02/10	jp		
4-Bromo	ofluorobenzene	98 %	65-122	1	02/02/10	jp	02/02/10	jp		
1,2-Dich	niorobenzene-d4	95 %	54-134	1	02/02/10	jp	02/02/10	jp		
SEMI-VOL	ATILE ORGANIC COMP	POUNDS BY GC-MS								
Analysis Me	thod: EPA 8270C									
Batch: 1	T014660									
Bis(2-eth)	/lhexyl)phthalate	11 mg/kg dry	0.47	5	02/02/10	kb	02/03/10	avl		
Surrogate	es:	.								
	zene-d5	65 %	36-98	5	02/02/10	kb	02/03/10	avl		
2-Fluoro	biphenyl	64 %	44-105	5	02/02/10	kb	02/03/10	avl		
Terphen	yl-d14	71 %	46-109	5	02/02/10	kb	02/03/10	avl		
WET CHEN	MISTRY									
Analysis Me	thod: % Calculation									

CERTIFICATE OF ANALYSIS

89 % by Wt.

0.10

02/02/10

sm

02/03/10



fax

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ANALYTICAL RESULTS

Trace Project ID: T10B014

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B014-07 Sample ID: Trip Blank PARAMETERS RESULTS UNITS		Date Collected: Date Received:		01/11/10 02/02/10 10:22		Matrix: Water		
		DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
NDS BY GC-MS								
<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
<2.0 ug/L	2.0	1	02/02/10	jp	02/02/10	jp	N	
<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp	N	
<3.0 ug/L	3.0	1	02/02/10	jp	02/02/10	jp		
101 %	70-133	1	02/02/10	jp	02/02/10	jp		
105 %	76-125	1	02/02/10	jp	02/02/10	jp		
98 %	71-123	1	02/02/10	jp	02/02/10	jp		
90 %	72-123	1	02/02/10	jp	02/02/10	jp		
	NDS BY GC-MS <1.0 ug/L <1.0 ug/L <1.0 ug/L <2.0 ug/L <1.0 ug/L <1.0 ug/L <1.0 ug/L <1.0 ug/L 3.0 ug/L 101 % 105 % 98 %	RESULTS UNITS RDL NDS BY GC-MS	Date Received:	Date Received: 02/02/10 10: RESULTS UNITS RDL DILUTION PREPARED	Date Received: 02/02/10 10:22	Date Received: 02/02/10 10:22	Date Received: 02/02/10 10:22 RESULTS UNITS RDL DILUTION PREPARED BY ANALYZED BY NDS BY GC-MS STATE ST	Date Received: 02/02/10 10:22 RESULTS UNITS RDL DILUTION PREPARED BY ANALYZED BY NOTES NDS BY GC-MS



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QUALITY CONTROL RESULTS

Trace Project ID: T10B014

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014660

QC Batch Method: EPA 3550B Ultrasonic Extraction

Analysis Description: Semi-volatiles, TCL list

Analysis Method: EPA 8270C

METHOD BLANK: T014660-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Bis(2-chloroethyl)ether	mg/kg wet	<0.033	0.033	
2-Chlorophenol	mg/kg wet	<0.083	0.083	
Phenol	mg/kg wet	<0.083	0.083	
1,3-Dichlorobenzene	mg/kg wet	<0.083	0.083	
1,4-Dichlorobenzene	mg/kg wet	< 0.083	0.083	
1,2-Dichlorobenzene	mg/kg wet	< 0.083	0.083	
Benzyl alcohol	mg/kg wet	<0.66	0.66	
Bis(2-chloroisopropyl)ether	mg/kg wet	<0.083	0.083	
2-Methylphenol (o-Cresol)	mg/kg wet	<0.083	0.083	
3,4-Methylphenol (m,p Cresol)	mg/kg wet	<0.083	0.083	
N-Nitrosodi-n-propylamine	mg/kg wet	<0.083	0.083	
Hexachloroethane	mg/kg wet	< 0.083	0.083	
Nitrobenzene	mg/kg wet	< 0.033	0.033	
Isophorone	mg/kg wet	< 0.083	0.083	
2-Nitrophenol	mg/kg wet	< 0.083	0.083	
2,4-Dimethylphenol	mg/kg wet	<0.083	0.083	
Bis(2-chloroethoxy)methane	mg/kg wet	< 0.083	0.083	
Benzoic acid	mg/kg wet	<1.2	1.2	
1,2,4-Trichlorobenzene	mg/kg wet	< 0.083	0.083	
2,4-Dichlorophenol	mg/kg wet	< 0.083	0.083	
Naphthalene	mg/kg wet	< 0.083	0.083	
4-Chloroaniline	mg/kg wet	< 0.083	0.083	
Hexachlorobutadiene	mg/kg wet	< 0.033	0.033	
4-Chloro-3-methylphenol	mg/kg wet	< 0.083	0.083	
2-Methylnaphthalene	mg/kg wet	< 0.083	0.083	
Hexachlorocyclopentadiene	mg/kg wet	<0.17	0.17	
2,4,6-Trichlorophenol	mg/kg wet	< 0.033	0.033	
2,4,5-Trichlorophenol	mg/kg wet	< 0.083	0.083	
2-Chloronaphthalene	mg/kg wet	< 0.083	0.083	
2-Nitroaniline	mg/kg wet	< 0.083	0.083	
Dimethyl phthalate	mg/kg wet	<0.083	0.083	
Acenaphthylene	mg/kg wet	<0.083	0.083	
2,6-Dinitrotoluene	mg/kg wet	< 0.083	0.083	
3-Nitroaniline	mg/kg wet	<0.083	0.083	
Acenaphthene	mg/kg wet	<0.083	0.083	
Dibenzofuran	mg/kg wet	<0.083	0.083	
2,4-Dinitrotoluene	mg/kg wet	<0.083	0.083	
4-Nitrophenol	mg/kg wet	<0.67	0.67	
2,4-Dinitrophenol	mg/kg wet	<0.67	0.67	

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METHOD BLANK: T014660-BLK1

Diethyl phthalate mg/kg wet <0.083	
4-Chlorophenyl phenyl ether mg/kg wet <0.083 0.083 4-Nitroaniline mg/kg wet <0.083 0.083 4-Dinitro-2-methylphenol mg/kg wet <0.17 0.17 N-Nitrosodiphenylamine mg/kg wet <0.083 0.083 4-Bromophenyl phenyl ether mg/kg wet <0.083 0.083 4-Bromophenyl phenyl ether mg/kg wet <0.083 0.083 4-Bromophenyl phenyl ether mg/kg wet <0.083 0.083 Pentachlorophenol mg/kg wet <0.083 0.083 Pentachlorophenol mg/kg wet <0.36 0.36 Phenanthrene mg/kg wet <0.033 0.033 Anthracene mg/kg wet <0.083 0.083 Carbazole mg/kg wet <0.083 0.083 Di-n-butyl phthalate mg/kg wet <0.083 0.083 Fluoranthene mg/kg wet <0.083 0.083 Butyl benzyl phthalate mg/kg wet <0.083 0.083 Butyl benzyl phthalate mg/kg wet <0.083 0.083 Benzo (a) anthracene mg/kg wet <0.083 0.033 Chrysene mg/kg wet <0.033 0.033 Chrysene mg/kg wet <0.033 0.033 Chrysene mg/kg wet <0.083 0.083 Di-n-octyl phthalate mg/kg wet <0.083 0.083 Benzo (b) fluoranthene mg/kg wet <0.083 0.033 Benzo (b) fluoranthene mg/kg wet <0.033 0.033 Benzo (b) fluoranthene mg/kg wet <0.033 0.033 Benzo (b) fluoranthene mg/kg wet <0.033 0.033 Benzo (a) pyrene mg/kg wet <0.033 0.033 Benzo (b) fluoranthene mg/kg wet <0.033 0.033 Benzo (a) pyrene mg/kg wet <0.033 0.033 Benzo (b) fluoranthene mg/kg wet <0.033 0.033 Benzo (a) pyrene mg/kg wet <0.033 0.033 Benzo (b) fluoranthene mg/kg wet <0.033 0.033 Benzo (a) pyrene mg/kg wet <0.033 0.033 Benzo (b) fluoranthene mg/kg wet <0.033 0.033 Benzo (a) pyrene mg/kg wet <0.033 0.033 Benzo (b) fluoranthene mg/kg wet <0.033 0.033 Benzo (a) pyrene mg/kg wet <0.033 0.033 Benzo (b) fluoranthene mg/kg wet <0.033 0.033 Benzo (b) fluoranthene mg/kg wet <0.033 0.033 Benzo (a) pyrene mg/kg wet <0.033 0.033 Benzo (b) pyrene mg/kg wet <0.033 0.033 Benzo	
4-Nitroaniline mg/kg wet	
4,6-Dinitro-2-methylphenol mg/kg wet <0.17	
N-Nitrosodiphenylamine mg/kg wet	
N-Nitrosodiphenylamine mg/kg wet <0.083 0.083 4-Bromophenyl phenyl ether mg/kg wet <0.083 0.083 Hexachlorobenzene mg/kg wet <0.083 0.083 Pentachlorophenol mg/kg wet <0.036 0.36 Phenanthrene mg/kg wet <0.033 0.033 Anthracene mg/kg wet <0.083 0.083 Carbazole mg/kg wet <0.083 0.083 Di-n-butyl phthalate mg/kg wet <0.083 0.083 Fluoranthene mg/kg wet <0.083 0.083 Pyrene mg/kg wet <0.033 0.033 Pyrene mg/kg wet <0.083 0.083 Butyl benzyl phthalate mg/kg wet <0.083 0.083 Benzo (a) anthracene mg/kg wet <0.033 0.033 Chrysene mg/kg wet <0.083 0.083 Bis(2-ethylhexyl)phthalate mg/kg wet <0.083 0.083 Di-n-octyl phthalate mg/kg wet <0.083 0.083 Benzo (b) fluoranthene mg/kg wet <0.083 0.083 Benzo (b) fluoranthene mg/kg wet <0.083 0.083 Benzo (b) fluoranthene mg/kg wet <0.033 0.033 Benzo (a) pyrene mg/kg wet <0.033 0.033 Benzo (b) fluoranthene mg/kg wet <0.033 0.033 Benzo (a) pyrene mg/kg wet <0.033 0.033 Benzo (b) fluoranthene mg/kg wet <0.033 0.033 Benzo (a) pyrene mg/kg wet <0.033 0.033 Benzo (a) pyrene mg/kg wet <0.033 0.033 Dibenz (a,h) anthracene mg/kg wet <0.033 0.033 D	
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Dibenz (a,h) anthracene mg/kg wet <0.033 0.033	
- 440	
Benzo (g,h,i) perylene mg/kg wet <0.033 0.033	
2-Fluorophenol (S) % 66 38-81	
Phenol-d5 (S) % 61 32-102	
Nitrobenzene-d5 (S)	
2-Fluorobiphenyl (S) % 61 44-105	
2,4,6-Tribromophenol (S) % 73 38-101	
Terphenyl-d14 (S) % 74 46-109	

LABORATORY CONTROL SAMPLE: T014660-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2-Chlorophenol	mg/kg wet	3.32	2.30	69	49-93	
Phenol	mg/kg wet	3.32	2.12	64	40-90	
1,4-Dichlorobenzene	mg/kg wet	3.32	2.24	67	37-106	
N-Nitrosodi-n-propylamine	mg/kg wet	3.32	2.89	87	51-106	
1,2,4-Trichlorobenzene	mg/kg wet	3.32	2.23	67	49-100	
4-Chloro-3-methylphenol	mg/kg wet	3.32	2.49	75	50-96	
Acenaphthene	mg/kg wet	3.32	2.28	69	52-105	

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LABORATORY CONTROL SAMPLE: T014660-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2,4-Dinitrotoluene	mg/kg wet	3.32	2.51	76	51-108	
4-Nitrophenol	mg/kg wet	3.32	1.73	52	22-112	
Pentachlorophenol	mg/kg wet	3.32	2.77	83	30-111	
Pyrene	mg/kg wet	3.32	2.51	76	47-114	
2-Fluorophenol (S)	%	3.32	2.42	73	38-81	
Phenol-d5 (S)	%	3.32	2.49	75	32-102	
Nitrobenzene-d5 (S)	%	3.32	2.63	79	36-98	
2-Fluorobiphenyl (S)	%	3.32	2.32	70	44-105	
2,4,6-Tribromophenol (S)	%	3.32	2.90	87	38-101	
Terphenyl-d14 (S)	%	3.32	2.67	81	46-109	

Original: T10B014-01

^o arameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
2-Chlorophenol	mg/kg dry	0	4.85	3.19	3.43	66	71	43-93	7	23	
Phenol	mg/kg dry	0	4.85	2.98	3.09	61	64	31-91	4	28	
,4-Dichlorobenzene	mg/kg dry	0	4.85	2.26	2.79	47	58	43-92	21	33	
N-Nitrosodi-n-propylamine	mg/kg dry	0.361	4.85	4.11	4.42	77	84	32-121	8	26	
,2,4-Trichlorobenzene	mg/kg dry	0	4.85	2.61	3.03	54	62	43-99	15	33	
-Chloro-3-methylphenol	mg/kg dry	0	4.85	3.65	3.88	75	80	36-108	6	25	
cenaphthene	mg/kg dry	0	4.85	3.20	3.21	66	66	46-111	0.2	31	
,4-Dinitrotoluene	mg/kg dry	0	4.85	3.59	3.59	74	74	18-128	0.04	28	
-Nitrophenol	mg/kg dry	0	4.85	2.49	2.56	51	53	15-125	3	26	
entachlorophenol	mg/kg dry	0	4.85	3.93	4.12	81	85	14-125	5	25	
yrene	mg/kg dry	0	4.85	3.35	3.41	69	70	40-124	2	33	
-Fluorophenol (S)	%		4.85	3.10	3.33	64	69	38-81			
henol-d5 (S)	%		4.85	3.33	3.50	69	72	32-102			
litrobenzene-d5 (S)	%		4.85	3.22	3.59	67	74	36-98			
-Fluorobiphenyl (S)	%		4.85	2.74	2.69	57	56	44-105			
,4,6-Tribromophenol (S)	%		4.85	3.78	3.84	78	79	38-101			
erphenyl-d14 (S)	%		4.85	3.37	3.42	69	70	46-109			

Trace Project ID: T10B014

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014669 QC Batch Method: EPA 5035 Purge-and-Trap for Solids and Analysis Description: Volatiles, Full MDEQ+ List

Analysis Method: EPA 8260B

METHOD BLANK: T014669-BLK1

		Blank	Reporting	
Parameter	Units	Result	Limit	Notes



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METHOD BLANK: T014669-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Benzene	mg/kg wet	<0.0050	0.0050	
Toluene	mg/kg wet	<0.0050	0.0050	
Ethylbenzene	mg/kg wet	<0.0050	0.0050	
m,p-Xylene	mg/kg wet	<0.010	0.010	
o-Xylene	mg/kg wet	<0.0050	0.0050	
Xylenes, total	mg/kg wet	<0.015	0.015	
1,2-Dichloroethane-d4 (S)	%	98	71-131	
Toluene-d8 (S)	%	95	70-130	
4-Bromofluorobenzene (S)	%	94	65-122	
1,2-Dichlorobenzene-d4 (S)	%	95	54-134	

LABORATORY CONTROL SAMPLE: T014669-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	mg/kg wet	0.0200	0.0206	103	65-129	
Toluene	mg/kg wet	0.0200	0.0202	101	61-129	
1,2-Dichloroethane-d4 (S)	%	30.0	27.4	91	71-131	
Toluene-d8 (S)	%	30.0	29.2	98	70-130	
4-Bromofluorobenzene (S)	%	30.0	27.6	92	65-122	
1,2-Dichlorobenzene-d4 (S)	%	30.0	28.4	95	54-134	

Trace Project ID: T10B014

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014683

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous

Analysis Description: Volatiles, BTEX/MTBE (GC/MS)

Analysis Method: EPA 8260B

METHOD BLANK: T014683-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Benzene	ug/L	<1.0	1.0	
Toluene	ug/L	<1.0	1.0	
Ethylbenzene	ug/L	<1.0	1.0	
n,p-Xylene	ug/L	<2.0	2.0	
o-Xylene	ug/L	<1.0	1.0	
(ylenes, total	ug/L	<3.0	3.0	
I,2-Dichloroethane-d4 (S)	%	99	70-133	
Γoluene-d8 (S)	%	105	76-125	
I-Bromofluorobenzene (S)	%	101	71-123	
I,2-Dichlorobenzene-d4 (S)	%	91	72-123	

LABORATORY CONTROL SAMPLE: T014683-BS1

Parameter	Units	Spike LCS	LCS % Rec	% Rec Limit	Notes
	Onico	Conc. Result	% Rec	LITTIL	110.00



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LABORATORY CONTROL SAMPLE: T014683-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	19.0	95	80-120	
Toluene	ug/L	20.0	19.2	96	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	44.6	99	70-133	
Toluene-d8 (S)	%	45.0	47.1	105	76-125	
4-Bromofluorobenzene (S)	%	45.0	46.3	103	71-123	
1,2-Dichlorobenzene-d4 (S)	%	45.0	43.4	97	72-123	

Trace Project ID: T10B014

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014662 QC Batch Method: % Solids Analysis Description: Solids, Dry Weight

Analysis Method: % Calculation

SAMPLE DUPLICATE: T014662-DUP1 Original: T10B014-01

Parameter	Units	Original Result	DUP Result	Max RPD RPD Notes
% Solids	% by Wt	68.6	72.3	5 20

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	Client N	lame: [2m	T IN	c						TRACE USE ONLY	Recei	ved on ice	: Yes	No		Pres	servati	ve Checke	od Yes	No N/	Α
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	TRACE NO.	DATE	TIME	METALS FIELD FILTERED	CHENT	DALADI E ID		MATRIX	NUMBER OF CONTAINERS	/	K)	StH?	/,	/ /	/ /	/ /	/ /	//			Possible Health Hazard
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In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.



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SAMPLE LOG IN CHECKLIST

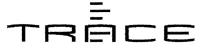
Date: 2 - 2 - 10	Client Name:	MT		# of Cooler	rs:	
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Trace ID #: 1. 10 1301 4 T 10 180 15	Logged in by:	Smeth		Cooler #	s:	
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	Trace courie					
Cooler/samples delivered by:	Hand delivered	l Name o	of delivery pers	on:		
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Did cooler come with a bill of lading?	No	<u> </u>	Not	t Applicable		
	Yes	Way	Bill or Tracking	; #:		
COC Seals present and intact on cooler?	No Yes	Not Applica	ble			
Custody seals signed by Client?	No Yes	Client custody se	eal # (if applicab	le):		
	Coolant an	d Temperatu	re			
Type of Coolant Use			mperature	Correction F	actor 40.2	_°C
	Yes No	Date:	2.2-10	Time: 10 1		
Slurry w/ crushed, cubed, or chip ice?			emperature Blac		<u>°C</u>	
Multiple bags of ice around samples?		Rai	nge of 3 sample	es: <u>/ 🏃</u>	<u>*C</u>	
ice Packs/ Blue ice :			Melt Wat		<u>.c</u>	,
No Coolant Present:		ice stili pres	sent upon recei	pt: Yes	No	
	G	eneral				
Co	DC taped to inside of	cooler lid?			Yes No	NA
All bottles arrived unbroke	n with labels in good	condition?				
Each sample	point is in a sealed pi		7)	The state of the s	-	
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DRO/GRO samples received and approp						H
	Air bubbles absent fro					W
COC filled ou	t properly and signed	by client?	eriggin forfattig papilgasi agginorragin olono, lon lejonjo Arabanas	Principal deal of the food of the site of the food of the section of		
COC signed in	by TRACE sample o	ustodian?	ray rant distribution of the significant states at the same	The same of the sa		
Was project manager	called and samples d	iscussed?	and the state of t			
Contact:			Dat	e:		
Notes:	···					

Rev.8 11/21/06

CERTIFICATE OF ANALYSIS

TRACE Analytical Laboratories Inc.

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February 09, 2010

Ms. Jennifer Overvoorde RMT, Inc. 2025 E. Beltline Ave. SE Suite 402 Grand Rapids, MI 49546

Phone: (616) 975-5415 Fax: (616) 975-1098

RE: Trace Project

T10B066

Client Project

LEC MW19HS1 Remediation / 6527.40

Dear Ms. Overvoorde:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink Project Manager

Enclosures





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SAMPLE SUMMARY

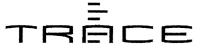
Trace Project ID:

T10B066

Client Project ID:

LEC MW19HS1 Remediation / 6527.40

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T10B066-01	SS-19HSI-10S70W	Soil	sp	02/04/10 13:10	02/05/10 10:36
T10B066-02	SS-19HSI-9S 65W	Soil	sp	02/04/10 13:20	02/05/10 10:36
T10B066-03	SS-19HSI-10N 68W	Soil	sp	02/04/10 13:35	02/05/10 10:36
T10B066-04	SS-19HSI-10N 60W	Soil	sp	02/04/10 13:45	02/05/10 10:36
T10B066-05	SS-19HSI-30N 51W	Soil	sp	02/04/10 14:00	02/05/10 10:36
T10B066-06	SS-19HSI-25N 48W	Soil	sp	02/04/10 14:15	02/05/10 10:36
T10B066-07	SS-19HSI-40N 30W	Soil	sp	02/04/10 14:30	02/05/10 10:36
T10B066-08	SS-19HSI-35N 30W	Soil	sp	02/04/10 14:40	02/05/10 10:36
T10B066-09	SS-19HSI-38N 10W	Soil	sp	02/04/10 14:50	02/05/10 10:36
T10B066-10	SS-19HSI-30N 10W	Soil	sp	02/04/10 15:00	02/05/10 10:36
T10B066-11	SS-19HSI-DUP-01	Soil	sp	02/04/10	02/05/10 10:36
T10B066-12	Trip Blank	Aqueous	sp	02/02/10	02/05/10 10:36



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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate
RPD Relative Percent Difference

DUP Matrix Duplicate

RDL Reporting Detection Limit
MCL Maximum Contamination Limit
TIC Tentatively Identified Compound

<, ND or U Indicates the compound was analyzed for but not detected

* Indicates a result that exceeds its associated MCL or Surrogate control limits

N Indicates that the compound has not been evaluated by NELAC

NA Indicates that the compound is not available.



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ANALYTICAL RESULTS

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

	T10B066-01 SS-19HSI-10S70W			Collected: Received:	02/04/10 13 02/05/10 10		Matrix:	Soil		
PARAMETER	S	RESULTS UNITS	RDL	DILUTION	PREPARED	ВΥ	ANALYZED	BY	NOTES	MCL
VOLATILE (ORGANIC COMPOUNI	DS BY GC-MS								
Analysis Mett	hod: EPA 8260B									
Batch: T0	014750									
Benzene		<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Toluene		<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Ethylbenze	ne	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
m,p-Xylene		<0.010 mg/kg dry	0.010	1	02/05/10	jp	02/05/10	jp	N	
o-Xylene		<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp	N	
Xylenes, to	tal	<0.015 mg/kg dry	0.015	1	02/05/10	jp	02/05/10	jp	N	
Surrogates	:									
1,2-Dichlo	proethane-d4	89 %	71-131	1	02/05/10	jp	02/05/10	jp		
Toluene-d	18	95 %	70-130	1	02/05/10	jp	02/05/10	jp		
4-Bromofl	uorobenzene	95 %	65-122	1	02/05/10	jp	02/05/10	jp		
1,2-Dichlo	probenzene-d4	96 %	54-134	1	02/05/10	jp	02/05/10	jp		
SEMI-VOLAT	TILE ORGANIC COMP	POUNDS BY GC-MS								
Analysis Meth	od: EPA 8270C									
Batch: T0	14748									
Bis(2-ethyll	hexyl)phthalate	1.2 mg/kg dry	0.33	1	02/05/10	kb	02/05/10	avl		
Surrogates		0.77.07								
Nitrobenze	ene-d5	65 %	36-98	1	02/05/10	kb	02/05/10	avl		
2-Fluorobi	phenyl	68 %	44-105	1	02/05/10	kb	02/05/10	avi		
Terphenyl	-d14	85 %	46-109	1	02/05/10	kb	02/05/10	avl		
VET CHEMIS	STRY									
Analysis Moth	od: % Calculation									

CERTIFICATE OF ANALYSIS

94 % by Wt.

0.10

1

02/05/10

jd

02/07/10

% Solids

N

da



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ANALYTICAL RESULTS

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B066-02 Sample ID: SS-19HSI-9S 65W			Collected: Received:	02/04/10 13 02/05/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	вү	NOTES	MC
VOLATILE ORGANIC COMPOUN	IDS BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T014750									
Benzene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Toluene	0.032 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Ethylbenzene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
m,p-Xylene	0.016 mg/kg dry	0.010	1	02/05/10	jp	02/05/10	jp	N	
o-Xylene	0.0053 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp	N	
Xylenes, total	0.021 mg/kg dry	0.015	1	02/05/10	jp	02/05/10	jp	N	
Surrogates:									
1,2-Dichloroethane-d4	89 %	71-131	1	02/05/10	jp	02/05/10	jp		
Toluene-d8	95 %	70-130	1	02/05/10	jp	02/05/10	jp		
4-Bromofluorobenzene	96 %	65-122	1	02/05/10	jp	02/05/10	jp		
1,2-Dichlorobenzene-d4	95 %	54-134	1	02/05/10	jp	02/05/10	jp		
SEMI-VOLATILE ORGANIC COM	POUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T014748									
Bis(2-ethylhexyl)phthalate	1.3 mg/kg dry	0.33	1	02/05/10	kb	02/05/10	avl		
Surrogates:									
Nitrobenzene-d5	49 %	36-98	1	02/05/10	kb	02/05/10	avl		
2-Fluorobiphenyl	48 %	44-105	1	02/05/10	kb	02/05/10	avl		
Terphenyl-d14	61 %	46-109	1	02/05/10	kb	02/05/10	avl		
VET CHEMISTRY									
Analysis Method: % Calculation									

CERTIFICATE OF ANALYSIS

91 % by Wt.

0.10

02/05/10

jd

02/07/10

1

% Solids

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ANALYTICAL RESULTS

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B066-03 Sample ID: SS-19HSI-10N 68W			Collected: Received:	02/04/10 13 02/05/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	вү	NOTES	MCL
VOLATILE ORGANIC COMPOU	JNDS BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T014750									
Benzene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Toluene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Ethylbenzene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
m,p-Xylene	<0.010 mg/kg dry	0.010	1	02/05/10	jp	02/05/10	jp	N	
o-Xylene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp	N	
Xylenes, total	<0.015 mg/kg dry	0.015	1	02/05/10	jp	02/05/10	jp	N	
Surrogates:	89 %	74.404		00/05/40		00/05/40			
1,2-Dichloroethane-d4	94 %	71-131	1	02/05/10	jp	02/05/10	jp		
Toluene-d8	93 %	70-130	1	02/05/10	jp	02/05/10	jp		
4-Bromofluorobenzene	95 % 95 %	65-122	1	02/05/10	jp	02/05/10	jp		
1,2-Dichlorobenzene-d4	95 %	54-134	1	02/05/10	jp	02/05/10	jp		
SEMI-VOLATILE ORGANIC CO	MPOUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T014748									
Bis(2-ethylhexyl)phthalate	<0.33 mg/kg dry	0.33	1	02/05/10	kb	02/05/10	avl		
Surrogates:									
Nitrobenzene-d5	66 %	36-98	1	02/05/10	kb	02/05/10	avl		
2-Fluorobiphenyl	71 %	44-105	1	02/05/10	kb	02/05/10	avl		
Terphenyl-d14	87 %	46-109	1	02/05/10	kb	02/05/10	avl		
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014756									
% Solids	93 % by Wt.	0.10	1	02/05/10	jd	02/07/10	da	N	

CERTIFICATE OF ANALYSIS



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ANALYTICAL RESULTS

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B066-04 SS-19HSI-10N 60W	_		Collected: Received:	02/04/10 13 02/05/10 10		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPAREI) ВҮ	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUN	DS BY GC-MS								
Analysis Me	ethod: EPA 8260B									
Batch:	T014750									
Benzene		<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Toluene		<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Ethylbena	ene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
m,p-Xyleı	ne	<0.010 mg/kg dry	0.010	1	02/05/10	jp	02/05/10	jp	N	
o-Xylene		<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp	N	
Xylenes,	total	<0.015 mg/kg dry	0.015	1	02/05/10	jp	02/05/10	jp	N	
Surrogat	es:									
1,2-Dicl	nloroethane-d4	93 %	71-131	1	02/05/10	jp	02/05/10	jp		
Toluene	e-d8	96 %	70-130	1	02/05/10	jp	02/05/10	jp		
4-Brome	ofluorobenzene	94 %	65-122	1	02/05/10	jp	02/05/10	jp		
1,2-Dich	nlorobenzene-d4	95 %	54-134	1	02/05/10	jp	02/05/10	qį		
SEMI-VOL	ATILE ORGANIC COM	POUNDS BY GC-MS								
<u>Analysis Me</u>	ethod: EPA 8270C									
Batch:	T014748									
Bis(2-eth	ylhexyl)phthalate	1.9 mg/kg dry	0.33	1	02/05/10	kb	02/05/10	avl		
Surrogate		04.07								
	nzene-d5	61 %	36-98	1	02/05/10	kb	02/05/10	avl		
2-Fluoro	biphenyl	62 %	44-105	1	02/05/10	kb	02/05/10	avl		
Terpher	ıyl-d14	71 %	46-109	1	02/05/10	kb	02/05/10	avl		
VET CHEM	MISTRY									
Analysis Me	thod: % Calculation									
Batch: 7										
	- · · · · · · ·									

CERTIFICATE OF ANALYSIS

88 % by Wt.

0.10

1

02/05/10

jd

02/07/10

% Solids

Ν

da



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ANALYTICAL RESULTS

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B066-05 SS-19HSI-30N 51W			Collected: Received:	02/04/10 14: 02/05/10 10:		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	вү	NOTES	MCL
VOLATILE	ORGANIC COMPOUNI	DS BY GC-MS								
Analysis Me	ethod: EPA 8260B									
Batch:	T014750									
Benzene		<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Toluene		<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Ethylbenz	ene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
m,p-Xyler	пе	<0.010 mg/kg dry	0.010	1	02/05/10	jp	02/05/10	jp	N	
o-Xylene		<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp	N	
Xylenes, t	total	<0.015 mg/kg dry	0.015	1	02/05/10	jp	02/05/10	jp	N	
Surrogate	es:									
1,2-Dich	nloroethane-d4	95 %	71-131	1	02/05/10	jp	02/05/10	jp		
Toluene	-d8	106 %	70-130	1	02/05/10	jp	02/05/10	jp		
4-Bromo	ofluorobenzene	105 %	65-122	1	02/05/10	jp	02/05/10	jp		
1,2-Dich	nlorobenzene-d4	93 %	54-134	1	02/05/10	jp	02/05/10	jp		
SEMI-VOL	ATILE ORGANIC COMF	POUNDS BY GC-MS								
	thod: EPA 8270C									
Batch: 7										
	/lhexyl)phthalate	<0.33 mg/kg dry	0.33	1	02/05/10	kb	02/05/10	avl		
Surrogate	* **	o.oo mgmg ary	0.55	•	 . • • • • • • • • • • • • • • • • •			•		
_	nzene-d5	62 %	36-98	1	02/05/10	kb	02/05/10	avl		
2-Fluoro	biphenyl	60 %	44-105	1	02/05/10	kb	02/05/10	avl		
Terphen	•	71 %	46-109	1	02/05/10	kb	02/05/10	avi		
NET CHEM	MISTRY									
	thod: % Calculation									
Batch: 7										
Baicii. I	017/30			_			00/05/40			

CERTIFICATE OF ANALYSIS

80 % by Wt.

0.10

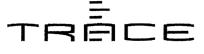
02/05/10

jd

02/07/10

% Solids

Ν



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ANALYTICAL RESULTS

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B066-06 Sample ID: SS-19HSI-25N 48	w		Collected: Received:	02/04/10 14 02/05/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	ВҮ	NOTES	MCL
VOLATILE ORGANIC COM	POUNDS BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T014750									
Benzene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Toluene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Ethylbenzene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
m,p-Xylene	<0.010 mg/kg dry	0.010	1	02/05/10	jp	02/05/10	jp	N	
o-Xylene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp	N	
Xylenes, total	<0.015 mg/kg dry	0.015	1	02/05/10	jp	02/05/10	jp	N	
Surrogates:									
1,2-Dichloroethane-d4	93 %	71-131	1	02/05/10	jp	02/05/10	jp		
Toluene-d8	95 %	70-130	1	02/05/10	jp	02/05/10	jp		
4-Bromofluorobenzene	96 %	65-122	1	02/05/10	jp	02/05/10	jp		
1,2-Dichlorobenzene-d4	96 %	54-134	1	02/05/10	jp	02/05/10	jp		
SEMI-VOLATILE ORGANIC	COMPOUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T014748									
Bis(2-ethylhexyl)phthalate	<0.33 mg/kg dry	0.33	1	02/05/10	kb	02/05/10	avl		
Surrogates:	•								
Nitrobenzene-d5	58 %	36-98	1	02/05/10	kb	02/05/10	avl		
2-Fluorobiphenyl	59 %	44-105	1	02/05/10	kb	02/05/10	avl		
Terphenyl-d14	74 %	46-109	1	02/05/10	kb	02/05/10	avl		
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014756									

CERTIFICATE OF ANALYSIS

88 % by Wt.

0.10

1

02/05/10

jd

02/07/10

% Solids

N

da



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ANALYTICAL RESULTS

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B066-07 Sample ID: SS-19HSI-40N 30W			Collected: Received:	02/04/10 14 02/05/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	вү	NOTES	MCL
VOLATILE ORGANIC COMPOUN	DS BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T014750									
Benzene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Toluene	0.0084 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Ethylbenzene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
m,p-Xylene	<0.010 mg/kg dry	0.010	1	02/05/10	jp	02/05/10	jp	N	
o-Xylene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp	N	
Xylenes, total	<0.015 mg/kg dry	0.015	1	02/05/10	jp	02/05/10	jp	N	
Surrogates:									
1,2-Dichloroethane-d4	95 %	71-131	1	02/05/10	jp	02/05/10	jp		
Toluene-d8	97 %	70-130	1	02/05/10	jp	02/05/10	jp		
4-Bromofluorobenzene	97 %	65-122	1	02/05/10	jp	02/05/10	jp		
1,2-Dichlorobenzene-d4	96 %	54-134	1	02/05/10	jp	02/05/10	jp		
SEMI-VOLATILE ORGANIC COM	POUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T014748									
Bis(2-ethylhexyl)phthalate	3.9 mg/kg dry	0.45	5	02/05/10	kb	02/05/10	avi		
Surrogates:									
Nitrobenzene-d5	43 %	36-98	5	02/05/10	kb	02/05/10	avi		
2-Fluorobiphenyl	48 %	44-105	5	02/05/10	kb	02/05/10	avl		
Terphenyl-d14	52 %	46-109	5	02/05/10	kb	02/05/10	avi		
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014756									

CERTIFICATE OF ANALYSIS

92 % by Wt.

0.10

1

02/05/10

jd

02/07/10

% Solids

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da



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ANALYTICAL RESULTS

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B066-08 SS-19HSI-35N 30W			Collected: Received:	02/04/10 14 02/05/10 10		Matrix:	Soil ———		
PARAMETE	ERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	ву	NOTES	MCL
VOLATILE	ORGANIC COMPOUN	DS BY GC-MS								
Analysis Me	ethod: EPA 8260B									
Batch:	T014750									
Benzene		<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Toluene		<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Ethylbenz	zene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
m,p-Xyler	ne	<0.010 mg/kg dry	0.010	1	02/05/10	jp	02/05/10	jp	N	
o-Xylene		<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp	N	
Xylenes,	total	<0.015 mg/kg dry	0.015	1	02/05/10	jp	02/05/10	jp	N	
Surrogate 1,2-Dich	res: hloroethane-d4	89 %	71-131	1	02/05/10	jp	02/05/10	jp		
Toluene	e-d8	97 %	70-130	1	02/05/10	jp	02/05/10	jp		
4-Brome	ofluorobenzene	96 %	65-122	1	02/05/10	jp	02/05/10	jp		
1,2-Dich	hlorobenzene-d4	94 %	54-134	1	02/05/10	jp	02/05/10	jp		
SEMI-VOL	ATILE ORGANIC COMP	POUNDS BY GC-MS								
Analysis Me	ethod: EPA 8270C									
Batch: 7	T014748									
	T014748 ylhexyl)phthalate	20 mg/kg dry	0.51	5	02/05/10	kb	02/08/10	avl		
Bis(2-ethy	ylhexyl)phthalate es:					kb				
Bis(2-ethy Surrogate Nitrober	ylhexyl)phthalate es: nzene-d5	63 %	36-98	5	02/05/10	kb kb	02/08/10	avi avi		
Bis(2-ethy Surrogate Nitrober	ylhexyl)phthalate es:	63 % 63 %								
Bis(2-ethy Surrogate Nitrober	ylhexyl)phthalate es: nzene-d5 obiphenyl	63 %	36-98	5	02/05/10	kb	02/08/10	avl		
Bis(2-ethy Surrogate Nitrober 2-Fluoro	ylhexyl)phthalate es: nzene-d5 obiphenyl nyl-d14	63 % 63 %	36-98 44-105	5 5	02/05/10 02/05/10	kb kb	02/08/10 02/08/10	avl avl		
Bis(2-ethy Surrogate Nitrober 2-Fluoro Terphen	ylhexyl)phthalate es: nzene-d5 obiphenyl nyl-d14	63 % 63 %	36-98 44-105	5 5	02/05/10 02/05/10	kb kb	02/08/10 02/08/10	avl avl		
Bis(2-ethy Surrogate Nitrober 2-Fluoro Terphen	ylhexyl)phthalate es: nzene-d5 obiphenyl nyl-d14 WISTRY ethod: % Calculation	63 % 63 %	36-98 44-105	5 5	02/05/10 02/05/10	kb kb	02/08/10 02/08/10	avl avl		

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Report ID: T10B066 FINAL 02 09 10 1159



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ANALYTICAL RESULTS

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B066-09 SS-19HSI-38N 10W			Collected: Received:	02/04/10 14: 02/05/10 10:		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUN	DS BY GC-MS	-					-		
Analysis Me	ethod: EPA 8260B									
Batch:	T014750									
Benzene		<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Toluene		0.050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
Ethylbenz	ene	<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp		
m,p-Xyler	ne ·	<0.010 mg/kg dry	0.010	1	02/05/10	jp	02/05/10	jp	N	
o-Xylene		<0.0050 mg/kg dry	0.0050	1	02/05/10	jp	02/05/10	jp	N	
Xylenes,	total	<0.015 mg/kg dry	0.015	1	02/05/10	jp	02/05/10	jp	N	
Surrogate	es:									
1,2-Dich	nloroethane-d4	90 %	71-131	1	02/05/10	jp	02/05/10	jp		
Toluene	-d8	105 %	70-130	1	02/05/10	jp	02/05/10	jp		
4-Bromo	ofluorobenzene	111 %	65-122	1	02/05/10	jp	02/05/10	jp		
1,2-Dich	nlorobenzene-d4	96 %	54-134	1	02/05/10	jp	02/05/10	jp		
SEMI-VOL	ATILE ORGANIC COM	POUNDS BY GC-MS								
<u>Analysis Me</u>	thod: EPA 8270C									
Batch: 7	T014748									
Bis(2-ethy	ylhexyl)phthalate	12 mg/kg dry	0.48	5	02/05/10	kb	02/05/10	avl		
Surrogate	es:									
Nitroben	nzene-d5	56 %	36-98	5	02/05/10	kb	02/05/10	avl		
2-Fluoro	biphenyl	59 %	44-105	5	02/05/10	kb	02/05/10	avl		
Terphen	yl-d14	70 %	46-109	5	02/05/10	kb	02/05/10	avl		
VET CHEN	MISTRY									
Analysis Me	thod: % Calculation									

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86 % by Wt.

0.10

02/05/10

jd

02/07/10

% Solids

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ANALYTICAL RESULTS

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B066-10 SS-19HSI-30N 10W			Collected: Received:	02/04/10 15: 02/05/10 10:		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUN	DS BY GC-MS						_		
Analysis Me	ethod: EPA 8260B									
Batch:	T014778									
Benzene		<0.0050 mg/kg dry	0.0050	1	02/08/10	jp	02/08/10	jp		
Toluene		<0.0050 mg/kg dry	0.0050	1	02/08/10	jp	02/08/10	jp		
Ethylbenz	zene	<0.0050 mg/kg dry	0.0050	1	02/08/10	jp	02/08/10	jp		
m,p-Xyler	ne	<0.010 mg/kg dry	0.010	1	02/08/10	jp	02/08/10	jp	N	
o-Xylene		<0.0050 mg/kg dry	0.0050	1	02/08/10	jp	02/08/10	jp	N	
Xylenes,	total	<0.015 mg/kg dry	0.015	1	02/08/10	jp	02/08/10	jp	N	
Surrogate 1,2-Dich	es <i>:</i> nloroethane-d4	95 %	71-131	1	02/08/10	jp	02/08/10	jp		
Toluene	e-d8	94 %	70-130	1	02/08/10	jp	02/08/10	jp		
4-Brome	ofluorobenzene	94 %	65-122	1	02/08/10	jp	02/08/10	jp		
1,2-Dich	nlorobenzene-d4	96 %	54-134	1	02/08/10	jp	02/08/10	jp		
SEMI-VOL	ATILE ORGANIC COMP	POUNDS BY GC-MS								
Analysis Me	ethod: EPA 8270C									
Batch:	T014748									
Bis(2-ethy	/lhexyl)phthalate	<0.33 mg/kg dry	0.33	1	02/05/10	kb	02/05/10	avl		
Surrogate	es:									
Nitrober	nzene-d5	61 %	36-98	1	02/05/10	kb	02/05/10	avl		
2-Fluoro	biphenyl	55 %	44-105	1	02/05/10	kb	02/05/10	avl		
Terphen	yl-d14	76 %	46-109	1	02/05/10	kb	02/05/10	avl		
WET CHEN	MISTRY									
	thod: % Calculation									
Analysis Me										
Analysis Me Batch: 1	T014756									



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ANALYTICAL RESULTS

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B066-11 SS-19HSI-DUP-01			Collected: Received:	02/04/10 02/05/10 10	:36	Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	ВҮ	ANALYZED	ву	NOTES	MCL
VOLATILE	ORGANIC COMPOUN	IDS BY GC-MS								
Analysis Me	ethod: EPA 8260B									
Batch: 7	T014778									
Benzene		<0.0050 mg/kg dry	0.0050	1	02/08/10	jp	02/08/10	jp		
Toluene		<0.0050 mg/kg dry	0.0050	1	02/08/10	jp	02/08/10	jp		
Ethylbenz	ene	<0.0050 mg/kg dry	0.0050	1	02/08/10	jp	02/08/10	jp		
m,p-Xyler	ne	<0.010 mg/kg dry	0.010	1	02/08/10	jp	02/08/10	jp	N	
o-Xylene		<0.0050 mg/kg dry	0.0050	1	02/08/10	jp	02/08/10	jp	N	
Xylenes, t	total	<0.015 mg/kg dry	0.015	1	02/08/10	jp	02/08/10	jp	N	
Surrogate	es:									
1,2-Dich	loroethane-d4	93 %	71-131	1	02/08/10	jp	02/08/10	jp		
Toluene	-d8	98 %	70-130	1	02/08/10	jp	02/08/10	jp		
4-Bromo	ofluorobenzene	103 %	65-122	1	02/08/10	jp	02/08/10	jp		
1,2-Dich	lorobenzene-d4	95 %	54-134	1	02/08/10	jp	02/08/10	jp		
SEMI-VOLA	ATILE ORGANIC COM	POUNDS BY GC-MS								
Analysis Me	thod: EPA 8270C									
Batch: 7	T014748									
Bis(2-ethy	/lhexyl)phthalate	1.7 mg/kg dry	0.33	1	02/05/10	kb	02/05/10	avl		
Surrogate	9s <i>:</i>									
Nitroben	zene-d5	63 %	36-98	1	02/05/10	kb	02/05/10	avl		
2-Fluoro	biphenyl	56 %	44-105	1	02/05/10	kb	02/05/10	avl		
Terphen	yl-d14	68 %	46-109	1	02/05/10	kb	02/05/10	avl		
WET CHEM	IISTRY									
Analysis Me	thod: % Calculation									

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90 % by Wt.

0.10

02/05/10

jd

02/07/10

% Solids

Ν



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ANALYTICAL RESULTS

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B066-12 Sample ID: Trip Blank			Date Collected: Date Received:		02/02/10 02/05/10 10:36		Matrix: Aqueous		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOU	NDS BY GC-MS						-		
Analysis Method: EPA 8260B									
Batch: T014760									
Benzene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
Toluene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
Ethylbenzene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
m,p-Xylene	<2.0 ug/L	2.0	1	02/05/10	jp	02/05/10	jp	N	
o-Xylene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp	N	
Xylenes, total	<3.0 ug/L	3.0	1	02/05/10	jp	02/05/10	jp		
Surrogates:									
1,2-Dichloroethane-d4	121 %	70-133	1	02/05/10	jp	02/05/10	jp		
Toluene-d8	98 %	76-125	1	02/05/10	jp	02/05/10	jp		
4-Bromofluorobenzene	88 %	71-123	1	02/05/10	jp	02/05/10	jp		
1,2-Dichlorobenzene-d4	101 %	72-123	1	02/05/10	jp	02/05/10	jp		



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QUALITY CONTROL RESULTS

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014748

QC Batch Method: EPA 3550B Ultrasonic Extraction

Analysis Description: Semi-volatiles, TCL list

Analysis Method: EPA 8270C

METHOD BLANK: T014748-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Bis(2-ethylhexyl)phthalate	mg/kg wet	<0.33	0.33	
Nitrobenzene-d5 (S)	%	69	36-98	
2-Fluorobiphenyl (S)	%	71	44-105	
Terphenyl-d14 (S)	%	79	46-109	

LABORATORY CONTROL SAMPLE: T014748-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Nitrobenzene-d5 (S)	%	3.32	2.29	69	36-98	•
2-Fluorobiphenyl (S)	%	3.32	2.35	71	44-105	
Terphenyl-d14 (S)	%	3.32	2.83	85	46-109	

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014750

Analysis Description: Volatiles, Full MDEQ+ List

QC Batch Method: EPA 5035 Purge-and-Trap for Solids and

Analysis Method: EPA 8260B

METHOD BLANK: T014750-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Methyl-tert-butyl ether	mg/kg wet	<0.0050	0.0050	
Benzene	mg/kg wet	<0.0050	0.0050	
Toluene	mg/kg wet	<0.0050	0.0050	
Ethylbenzene	mg/kg wet	<0.0050	0.0050	
m,p-Xylene	mg/kg wet	<0.010	0.010	
o-Xylene	mg/kg wet	<0.0050	0.0050	
Xylenes, total	mg/kg wet	<0.015	0.015	
1,2-Dichloroethane-d4 (S)	%	92	71-131	
Toluene-d8 (S)	%	97	70-130	
4-Bromofluorobenzene (S)	%	93	65-122	
1,2-Dichlorobenzene-d4 (S)	` %	95	54-134	

LABORATORY CONTROL SAMPLE: T014750-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	mg/kg wet	0.0200	0.0213	106	65-129	

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LABORATORY CONTROL SAMPLE: T014750-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Toluene	mg/kg wet	0.0200	0.0202	101	61-129	
1,2-Dichloroethane-d4 (S)	%	30.0	27.3	91	71-131	
Toluene-d8 (S)	%	30.0	28.4	95	70-130	
4-Bromofluorobenzene (S)	%	30.0	27.8	93	65-122	
1,2-Dichlorobenzene-d4 (S)	%	30.0	28.1	94	54-134	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014750-MSD1

Original: T10B066-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Benzene	mg/kg dry	0	0.00847	0.00840	0.00807	94	95	64-142	2	21	
Toluene	mg/kg dry	0	0.00847	0.00940	0.00834	105	98	51-195	6	28	
1,2-Dichloroethane-d4 (S)	%		30.0	23.6	23.6	79	79	71-131			
Toluene-d8 (S)	%		30.0	29.3	29.4	98	98	70-130			
4-Bromofluorobenzene (S)	%		30.0	29.0	28.6	97	95	65-122			
1,2-Dichlorobenzene-d4 (S)	%		30.0	28.0	27.1	93	90	54-134			

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014760

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous

Analysis Description: Volatiles, BTEX/MTBE (GC/MS)

Analysis Method: EPA 8260B

METHOD BLANK: T014760-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Benzene	ug/L	<1.0	1.0	
Toluene	ug/L	<1.0	1.0	
Ethylbenzene	ug/L	<1.0	1.0	
n,p-Xylene	ug/L	<2.0	2.0	
o-Xylene	ug/L	<1.0	1.0	
(ylenes, total	ug/L	<3.0	3.0	
,2-Dichloroethane-d4 (S)	%	114	70-133	
oluene-d8 (S)	%	99	76-125	
-Bromofluorobenzene (S)	%	88	71-123	
,2-Dichlorobenzene-d4 (S)	%	101	72-123	

LABORATORY CONTROL SAMPLE: T014760-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	18.9	95	80-120	
Toluene	ug/L	20.0	16.1	81	80-120	
1,2-Dichloroethane-d4 (S)	%	26.0	30.2	116	70-133	

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LABORATORY CONTROL SAMPLE: T014760-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Toluene-d8 (S)	%	26.0	26.1	100	76-125	
4-Bromofluorobenzene (S)	%	26.0	23.0	88	71-123	
1,2-Dichlorobenzene-d4 (S)	%	26.0	26.1	100	72-123	

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014778

QC Batch Method: EPA 5035 Purge-and-Trap for Solids and

Analysis Description: Volatiles, Full MDEQ+ List

Analysis Method: EPA 8260B

METHOD BLANK: T014778-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Benzene	mg/kg wet	<0.0050	0.0050	
Toluene	mg/kg wet	<0.0050	0.0050	
Ethylbenzene	mg/kg wet	<0.0050	0.0050	
m,p-Xylene	mg/kg wet	<0.010	0.010	
o-Xylene	mg/kg wet	<0.0050	0.0050	
Xylenes, total	mg/kg wet	<0.015	0.015	
1,2-Dichloroethane-d4 (S)	%	86	71-131	
Toluene-d8 (S)	%	97	70-130	
4-Bromofluorobenzene (S)	%	95	65-122	
1,2-Dichlorobenzene-d4 (S)	%	94	54-134	

LABORATORY CONTROL SAMPLE: T014778-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	mg/kg wet	0.0200	0.0204	102	65-129	
Toluene	mg/kg wet	0.0200	0.0197	98	61-129	
1,2-Dichloroethane-d4 (S)	%	30.0	26.4	88	71-131	
Toluene-d8 (S)	%	30.0	28.4	95	70-130	
4-Bromofluorobenzene (S)	%	30.0	28.9	96	65-122	
1,2-Dichlorobenzene-d4 (S)	%	30.0	29.1	97	54-134	

Trace Project ID: T10B066

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014756 QC Batch Method: % Solids

Analysis Description: Solids, Dry Weight Analysis Method: % Calculation

Original: T10B066-01 **SAMPLE DUPLICATE: T014756-DUP1**

		Original	DUP		Max	
Parameter	Units	Result	Result	RPD	RPD	Notes



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Original: T10B066-01 **SAMPLE DUPLICATE: T014756-DUP1**

Parameter	Units	Original Result	DUP Result		RPD	Max RPD	Notes
% Solids	% by Wt.	93.7	93.7	· · · · · · · · · · · · · · · · · · ·	0.02	20	

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Report ID: T10B066 FINAL 02 09 10 1159

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	Attn:		<u>-</u>		Phone:		Fax:					14	/Q/			Ι.	/ ,	/ /	/ /			Possible Health Hazard
	IRACE NO.	DATE	TIME	METALS FIELD FILTERED		CLIENT SAM	IPLE ID		MATRIX	NUMBER OF CONTAINERS	16		JH /	/ /	//				//			Possíb
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Plea In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

Trace Analytical Laboratories, Inc. 224: Black Creek Road Muskegon, MI 49444-2673 info@trace-labs.com www.trace-labs.com

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Rep		Address: JEA			HWO			ntiuc.con Trace			_	NPD USA						RUSH) (RUSH)			SE = Sed OI = Oil	liment	A = Air D = Drir	nking Wa	ater
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	TRACE NO.	DATE	TIME	METALS FIELD FILTERED		(CLIENT SAI	MPLE ID		MATRIX	NUMBER OF CONTAINERS		hut.	guilly.	/							REM	ARKS		Possi
Ses	11	2/4/10		A.A.	55-1	19451 -	- Dus-O	1		5	4	y	X												
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phone fax

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SAMPLE LOG IN CHECKLIST

Date: 2 -57 -10	Client Name:	RMT	-	# of Coolers:		
Trace 1D #: 7-10/3046 P	roject Name:	~~	7)	Cooler #s:		
T10B067	ogged in by	18m	//	Cooler #s:	<u> </u>	
	С	boler Re	ceipt			
	Trace c	ourier				
Cooler/samples delivered by:	Hand deli	===	Name of delivery person			
	Commercial co	ourier	UPS DH	FED EX	US Mail	
Did cooler come with a bill of lading?		Yes	Not A Way Bill or Tracking #	Applicable #:		
1	No Carlo		Not Applicable			i
Custody seals signed by Client?	No C	Clier	it custody seal # (if applicable):		
		t and Te	mperature			
Type of Coolant Used				Correction Fac	tor <u>+</u>	5
	es No		Date: 2 5 -/0 Temperature Blank	Time: <u>/0.*3 </u>	•c	
Multiple bags of ice around samples?		- 1	Range of 3 samples	ھے :	•c	
ice Packs/ Blue ice :			Melt Water	:	°C ·	
No Coolant Present:			Ice still present upon receipt	Yes	No	
		Genera	n/			
All bottles arrived unbroken Each sample po All bottle labels agree v Sufficient sa pH checker Correct pre DRO/GRO samples received and appropris	with labels in a seal Labels filled of with Chain of Cample to run ted and samples asservative addite check in for bubbles abservoy and sing TRACE sample to TRACE samples abservative and sing TRACE samples and sing the samples are samples and sing the samples and sing the samples are samples are samples are samples and sing the samples are samples are samples and sing the samples are samples are samples are samples are samples and samples are samples	good condition of the complete complete constant (CO ests requests at correct ped to sample of the complete complete complete complete constant from VO) gned by client constant consta	ag? ely? C)? ed? bH? es? ad? As? nt?		Yes No / Y	
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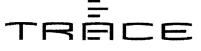
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LOGINA

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CERTIFICATE OF ANALYSIS

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February 11, 2010

Ms. Jennifer Overvoorde RMT, Inc. 2025 E. Beltline Ave. SE Suite 402 Grand Rapids, MI 49546

Phone: (616) 975-5415 Fax: (616) 975-1098

RE:

Trace Project

T10B091

Client Project

LEC MW19HS1 Remediation / 6527.40

Dear Ms. Overvoorde:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink

Project Manager

Enclosures





phone fax

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SAMPLE SUMMARY

Trace Project ID: Client Project ID:

T10B091

LEC MW19HS1 Remediation / 6527.40

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T10B091-01	SS-19HS1-22S 5E	Soil	sp	02/08/10 14:40	02/09/10 12:01
T10B091-02	SS-19HS1-9S 5E	Soil	sp	02/08/10 15:00	02/09/10 12:01
T10B091-03	SS-19HS1-8N 3E	Soil	sp	02/08/10 15:30	02/09/10 12:01
T10B091-04	SS-19HS1-9N 10E	Soil	sp	02/08/10 15:45	02/09/10 12:01
T10B091-05	SS-19HS1-21N 0E	Soil	sp	02/08/10 16:00	02/09/10 12:01
T10B091-06	SS-19HS1-27N 5E	Soil	sp	02/08/10 16:25	02/09/10 12:01
T10B091-07	SS-19HS1-DUP-02	Soil	sp	02/08/10	02/09/10 12:01
T10B091-08	SS-19HS1-DUP-03	Soil	sp	02/08/10	02/09/10 12:01
T10B091-09	Trip Blank	Water	Client	02/02/10	02/09/10 12:01



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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate
RPD Relative Percent Difference

DUP Matrix Duplicate

RDL Reporting Detection Limit
MCL Maximum Contamination Limit
TIC Tentatively Identified Compound

<, ND or U Indicates the compound was analyzed for but not detected

Indicates a result that exceeds its associated MCL or Surrogate control limits

N Indicates that the compound has not been evaluated by NELAC

NA Indicates that the compound is not available.

DATA QUALIFIERS

Trace ID: T014784-MSD1

Analysis: EPA 8270C

Bis(2-ethylhexyl)phthalate Note 204: The MSD recovery was out of control low, resulting in an out of control

RPD between the MS and the MSD. The result and reporting limit for this analyte, in

the non-spiked version of the sample, must be considered estimated.

Trace ID: T10B091-01 *Analysis: EPA 8270C*

Bis(2-ethylhexyl)phthalate Note 414: The reporting limit was raised due to dilution.

Trace ID: T10B091-06 *Analysis: EPA 8270C*

Bis(2-ethylhexyl)phthalate Note 204: The MSD recovery was out of control low, resulting in an out of control

RPD between the MS and the MSD. The result and reporting limit for this analyte, in

the non-spiked version of the sample, must be considered estimated.



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ANALYTICAL RESULTS

Trace Project ID: T10B091

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B091-01 Sample ID: SS-19HS1-22S 5E PARAMETERS			Date Collected: Date Received:		02/08/10 14:40 02/09/10 12:01		Matrix: Soil			
		RESULTS UNITS	RDL	DILUTION	PREPAREI	о ву	ANALYZED	BY	NOTES	MCI
VOLATILE (ORGANIC COMPOUN	IDS BY GC-MS	=-							
Analysis Met	hod: EPA 8260B									
Batch: To	014794									
Benzene		<0.0059 mg/kg dry	0.0059	1	02/09/10	gmr	02/09/10	gmr		
Toluene		<0.0059 mg/kg dry	0.0059	1	02/09/10	gmr	02/09/10	gmr		
Ethylbenze	ene	<0.0059 mg/kg dry	0.0059	1	02/09/10	gmr	02/09/10	gmr		
m,p-Xylene		<0.012 mg/kg dry	0.012	1	02/09/10	gmr	02/09/10	gmr	N	
o-Xylene		<0.0059 mg/kg dry	0.0059	1	02/09/10	gmr	02/09/10	gmr	N	
Xylenes, total		<0.018 mg/kg dry	0.018	1	02/09/10	gmr	02/09/10	gmr	N	
Surrogates	s <i>:</i>									
1,2-Dichloroethane-d4		89 %	71-131	1	02/09/10	gmr	02/09/10	gmr		
Toluene-d8		94 %	70-130	1	02/09/10	gmr	02/09/10	gmr		
4-Bromofluorobenzene		93 %	65-122	1	02/09/10	gmr	02/09/10	gmr		
1,2-Dichle	probenzene-d4	95 %	54-134	1	02/09/10	gmr	02/09/10	gmr		
SEMI-VOLA	TILE ORGANIC COM	POUNDS BY GC-MS								
Analysis Metl	nod: EPA 8270C									
Batch: T0	014784									
Bis(2-ethyll	nexyl)phthalate	<0.52 mg/kg dry	0.52	5	02/09/10	kb	02/10/10	avl	414	
Surrogates	:									
Nitrobenzene-d5		63 %	36-98	5	02/09/10	kb	02/10/10	avl		
2-Fluorobiphenyl		71 %	44-105	5	02/09/10	kb	02/10/10	avl		
Terpheny	l-d14	88 %	46-109	5	02/09/10	kb	02/10/10	avl		
VET CHEMI	STRY									
Analvsis Meth	nod: % Calculation									
Batch: T0										
_4.57. 70										

CERTIFICATE OF ANALYSIS

80 % by Wt.

0.10

02/09/10

sm

02/09/10

sm

% Solids



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ANALYTICAL RESULTS

Trace Project ID: T10B091

Client Project ID: LEC MW19HS1 Remediation / 6527.40

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Trace ID: T10B091-02 Sample ID: SS-19HS1-9S 5E PARAMETERS		RESULTS UNITS	Date Collected: Date Received:		02/08/10 15:00 02/09/10 12:01		Matrix: Soil			
			RDL	DILUTION	PREPARE	D BY	ANALYZED	BY	NOTES	MC
VOLATILE	ORGANIC COMPOU	NDS BY GC-MS								
Analysis Me	thod: EPA 8260B									
Batch: 7	Γ014794									
Benzene		<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr	•	
Toluene		0.0085 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
Ethylbenzene		0.0052 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
m,p-Xylene		0.011 mg/kg dry	0.010	1	02/09/10	gmr	02/09/10	gmr	N	
o-Xylene		0.0087 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr	N	
Xylenes, total		0.019 mg/kg dry	0.015	1	02/09/10	gmr	02/09/10	gmr	N	
Surrogate	es:									
1,2-Dichloroethane-d4		89 %	71-131	1	02/09/10	gmr	02/09/10	gmr		
Toluene-d8		98 %	70-130	1	02/09/10	gmr	02/09/10	gmr		
4-Bromofluorobenzene		98 %	65-122	1	02/09/10	gmr	02/09/10	gmr		
1,2-Dichlorobenzene-d4		96 %	54-134	1	02/09/10	gmr	02/09/10	gmr		
SEMI-VOLA	ATILE ORGANIC CON	IPOUNDS BY GC-MS								
Analysis Me	thod: EPA 8270C									
Batch: 7	⁻ 014811									
Bis(2-ethy	/lhexyi)phthalate	6.3 mg/kg dry	1.0	10	02/10/10	kb	02/10/10	avl		
Surrogate	es:									
Nitrobenzene-d5		55 %	36-98	10	02/10/10	kb	02/10/10	avl		
2-Fluorobiphenyl		68 %	44-105	10	02/10/10	kb	02/10/10	avl		
Terphen	yl-d14	82 %	46-109	10	02/10/10	kb	02/10/10	avl		
VET CHEN	IISTRY									
Analysis Me	thod: % Calculation									
	014806									

CERTIFICATE OF ANALYSIS

81 % by Wt.

0.10

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02/09/10

sm

02/09/10

% Solids

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ANALYTICAL RESULTS

Trace Project ID: T10B091

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B091-03 SS-19HS1-8N 3E		Date Collected: Date Received:		02/08/10 15:30 02/09/10 12:01		Matrix: Soil			
PARAMETERS		RESULTS UNITS	RDL	DILUTION	PREPARE	D BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUN	NDS BY GC-MS								
Analysis Me	ethod: EPA 8260B									
Batch:	T014794									
Benzene		<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
Toluene		<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
Ethylbenz	zene	<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
m,p-Xyler	ne	<0.010 mg/kg dry	0.010	1	02/09/10	gmr	02/09/10	gmr	N	
o-Xylene		<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr	N	
Xylenes, total		<0.015 mg/kg dry	0.015	1	02/09/10	gmr	02/09/10	gmr	N	
Surrogate	es:									
1,2-Dich	nloroethane-d4	86 %	71-131	1	02/09/10	gmr	02/09/10	gmr		
Toluene	-d8	98 %	70-130	1	02/09/10	gmr	02/09/10	gmr		
4-Bromo	ofluorobenzene	96 %	65-122	1	02/09/10	gmr	02/09/10	gmr		
1,2-Dich	nlorobenzene-d4	96 %	54-134	1	02/09/10	gmr	02/09/10	gmr		
SEMI-VOLA	ATILE ORGANIC COM	POUNDS BY GC-MS								
Analysis Me	thod: EPA 8270C									
Batch: 7										
Bis(2-eth)	ylhexyl)phthalate	1.5 mg/kg dry	0.33	2	02/09/10	kb	02/09/10	avl		
Surrogate	es:									
_	nzene-d5	57 %	36-98	2	02/09/10	kb	02/09/10	avi		
2-Fluoro	biphenyl	62 %	44-105	2	02/09/10	kb	02/09/10	avl		
Terphen	yl-d14	70 %	46-109	2	02/09/10	kb	02/09/10	avl		
WET CHEN	MISTRY									
Analysis Me	thod: % Calculation									
Batch: 7										
Daton. 1	017000									

CERTIFICATE OF ANALYSIS

87 % by Wt.

0.10

02/09/10

sm

02/09/10

% Solids



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ANALYTICAL RESULTS

Trace Project ID: T10B091

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B091-04 SS-19HS1-9N 10E			Collected: Received:	02/08/10 15 02/09/10 12		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPAREI) ВҮ	ANALYZED	вү	NOTES	MCL
VOLATILE	ORGANIC COMPOUN	IDS BY GC-MS								
Analysis Me	thod: EPA 8260B									
Batch: 7	T014794									
Benzene		<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
Toluene		<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
Ethylbenz	ene	<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
m,p-Xylen	e	<0.010 mg/kg dry	0.010	1	02/09/10	gmr	02/09/10	gmr	N	
o-Xylene		<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr	N	
Xylenes, t	otal	<0.015 mg/kg dry	0.015	1	02/09/10	gmr	02/09/10	gmr	N	
Surrogate	es:									
1,2-Dich	loroethane-d4	88 %	71-131	1	02/09/10	gmr	02/09/10	gmr		
Toluene-	-d8	94 %	70-130	1	02/09/10	gmr	02/09/10	gmr		
4-Bromo	fluorobenzene	95 %	65-122	1	02/09/10	gmr	02/09/10	gmr		
1,2-Dich	lorobenzene-d4	96 %	54-134	1	02/09/10	gmr	02/09/10	gmr		
SEMI-VOLA	ATILE ORGANIC COM	POUNDS BY GC-MS								
Analysis Me	thod: EPA 8270C									
Batch: T	014784									
Bis(2-ethy	ihexyl)phthalate	1.6 mg/kg dry	0.44	5	02/09/10	kb	02/10/10	avl		
Surrogate		50.04								
Nitroben		59 %	36-98	5	02/09/10	kb	02/10/10	avl		
2-Fluorol	biphenyl	64 %	44-105	5	02/09/10	kb	02/10/10	avl		
Terpheny	yl-d14	73 %	46-109	5	02/09/10	kb	02/10/10	avl		
NET CHEM	IISTRY									
Analvsis Met	thod: % Calculation									

CERTIFICATE OF ANALYSIS

94 % by Wt.

0.10

02/09/10

02/09/10

% Solids

Ν



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ANALYTICAL RESULTS

Trace Project ID: T10B091

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B091-05 Sample ID: SS-19HS1-21N 0E			Collected: Received:	02/08/10 1 02/09/10 1		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARE	D BY	ANALYZED	BY	NOTES	МС
VOLATILE ORGANIC COMPOUN	IDS BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T014794									
Benzene	<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
Toluene	<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
Ethylbenzene	<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
m,p-Xylene	<0.010 mg/kg dry	0.010	1	02/09/10	gmr	02/09/10	gmr	N	
o-Xylene	<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr	N	
Xylenes, total	<0.015 mg/kg dry	0.015	1	02/09/10	gmr	02/09/10	gmr	N	
Surrogates:									
1,2-Dichloroethane-d4	87 %	71-131	1	02/09/10	gmr	02/09/10	gmr		
Toluene-d8	97 %	70-130	1	02/09/10	gmr	02/09/10	gmr		
4-Bromofluorobenzene	97 %	65-122	1	02/09/10	gmr	02/09/10	gmr		
1,2-Dichlorobenzene-d4	94 %	54-134	1	02/09/10	gmr	02/09/10	gmr		
SEMI-VOLATILE ORGANIC COM	POUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T014811									
Bis(2-ethylhexyl)phthalate	2.9 mg/kg dry	0.33	2	02/10/10	kb	02/10/10	avl		
Surrogates:									
Nitrobenzene-d5	65 %	36-98	2	02/10/10	kb	02/10/10	avl		
2-Fluorobiphenyl	68 %	44-105	2	02/10/10	kb	02/10/10	avi		
Terphenyl-d14	77 %	46-109	2	02/10/10	kb	02/10/10	avi		
VET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014806									
Daton. 1017000									

CERTIFICATE OF ANALYSIS

89 % by Wt.

0.10

1

02/09/10

sm

02/09/10

% Solids

Ν

sm



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ANALYTICAL RESULTS

Trace Project ID: T10B091

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B091-06 SS-19HS1-27N 5E			Collected: Received:	02/08/10 1 02/09/10 1		Matrix:	Soil		
PARAMETE	ERS	RESULTS UNITS	RDL	DILUTION	PREPARE	D BY	ANALYZED	ву	NOTES	MCI
VOLATILE	ORGANIC COMPOUN	DS BY GC-MS								
<u>Analysis M</u>	ethod: EPA 8260B									
Batch:	T014794									
Benzene		<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
Toluene		<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
Ethylben	zene	<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
m,p-Xyle	ne	<0.010 mg/kg dry	0.010	1	02/09/10	gmr	02/09/10	gmr	N	
o-Xylene		<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr	N	
Xylenes,	total	<0.015 mg/kg dry	0.015	1	02/09/10	gmr	02/09/10	gmŕ	N	
Surrogat	es:									
1,2-Dicl	hloroethane-d4	88 %	71-131	1	02/09/10	gmr	02/09/10	gmr		
Toluene	e-d8	94 %	70-130	1	02/09/10	gmr	02/09/10	gmr		
4-Brom	ofluorobenzene	92 %	65-122	1	02/09/10	gmr	02/09/10	gmr		
1,2-Dicl	hlorobenzene-d4	93 %	54-134	1	02/09/10	gmr	02/09/10	gmr		
SEMI-VOL	ATILE ORGANIC COM	POUNDS BY GC-MS								
	ethod: EPA 8270C T014784	•								
Bis(2-eth	ylhexyl)phthalate	2.0 mg/kg dry	0.33	2	02/09/10	kb	02/09/10	avl	204	
Surrogate	es:									
Nitrober	nzene-d5	76 %	36-98	2	02/09/10	kb	02/09/10	avl		
2-Fluoro	obiphenyl	82 %	44-105	2	02/09/10	kb	02/09/10	avl		
Terpher	nyl-d14	97 %	46-109	2	02/09/10	kb	02/09/10	avl		
VET CHEN	MISTRY									
Analysis Me	ethod: % Calculation									
Batch: 7										
,										

CERTIFICATE OF ANALYSIS

94 % by Wt.

0.10

02/09/10

sm

02/09/10

% Solids

Ν

sm



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ANALYTICAL RESULTS

Trace Project ID: T10B091

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B091-07 SS-19HS1-DUP-02			Collected: Received:	02/08/10 02/09/10 12	2:01	Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	В В У	ANALYZED	вү	NOTES	MCL
VOLATILE	ORGANIC COMPOUN	DS BY GC-MS								
Analysis Me	ethod: EPA 8260B									
Batch:	T014794									
Benzene		<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
Toluene		<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
Ethylbenz	ene	<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr		
m,p-Xyler	ne	<0.010 mg/kg dry	0.010	1	02/09/10	gmr	02/09/10	gmr	N	
o-Xylene		<0.0050 mg/kg dry	0.0050	1	02/09/10	gmr	02/09/10	gmr	N	
Xylenes, f	total	<0.015 mg/kg dry	0.015	1	02/09/10	gmr	02/09/10	gmr	N	
Surrogate	es:									
1,2-Dich	loroethane-d4	88 %	71-131	1	02/09/10	gmr	02/09/10	gmr		
Toluene	-d8	97 %	70-130	1	02/09/10	gmr	02/09/10	gmr		
4-Bromo	ofluorobenzene	95 %	65-122	1	02/09/10	gmr	02/09/10	gmr		
1,2-Dich	ilorobenzene-d4	96 %	54-134	1	02/09/10	gmr	02/09/10	gmr		
SEMI-VOL	ATILE ORGANIC COM	POUNDS BY GC-MS								
Analysis Me	thod: EPA 8270C									
Batch: 7	T014784									
Bis(2-ethy	/lhexyl)phthalate	2.2 mg/kg dry	0.33	2	02/09/10	kb	02/10/10	avl		
Surrogate		70 0/								
Nitroben		76 %	36-98	2	02/09/10	kb	02/10/10	avl		
2-Fluoro	biphenyl	80 %	44-105	2	02/09/10	kb	02/10/10	avl		
Terphen	yl-d14	97 %	46-109	2	02/09/10	kb	02/10/10	avl		
WET CHEM	NSTRY									
Analysis Ma	thod: % Calculation									
Allalysis ivie										

CERTIFICATE OF ANALYSIS

85 % by Wt.

0.10

02/09/10

sm

02/09/10

% Solids

Ν



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ANALYTICAL RESULTS

Trace Project ID: T10B091

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B091-08 SS-19HS1-DUP-03			Collected: Received:	02/08/10 02/09/10 12	::01	Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	ВҮ	ANALYZED	BY	NOTES	МС
VOLATILE	ORGANIC COMPOUN	DS BY GC-MS								
Analysis Me	ethod: EPA 8260B									
Batch: 7	T014794									
Benzene		<0.0052 mg/kg dry	0.0052	1	02/09/10	gmr	02/09/10	gmr		
Toluene		<0.0052 mg/kg dry	0.0052	1	02/09/10	gmr	02/09/10	gmr		
Ethylbenz	ene	<0.0052 mg/kg dry	0.0052	1	02/09/10	gmr	02/09/10	gmr		
m,p-Xylen	ne	<0.010 mg/kg dry	0.010	1	02/09/10	gmr	02/09/10	gmr	N	
o-Xylene		<0.0052 mg/kg dry	0.0052	1	02/09/10	gmr	02/09/10	gmr	N	
Xylenes, t	otal	<0.016 mg/kg dry	0.016	1	02/09/10	gmr	02/09/10	gmr	N	
Surrogate	es:									
1,2-Dich	loroethane-d4	84 %	71-131	1	02/09/10	gmr	02/09/10	gmr		
Toluene	-d8	99 %	70-130	1	02/09/10	gmr	02/09/10	gmr		
4-Bromo	ofluorobenzene	102 %	65-122	1	02/09/10	gmr	02/09/10	gmr		
1,2-Dich	lorobenzene-d4	94 %	54-134	1	02/09/10	gmr	02/09/10	gmr		
SEMI-VOLA	ATILE ORGANIC COMI	POUNDS BY GC-MS								
<u>Analysis Me</u>	thod: EPA 8270C									
Batch: T	⁻ 014784									
Bis(2-ethy	(lhexyl)phthalate	3.0 mg/kg dry	0.47	5	02/09/10	kb	02/10/10	avl		
Surrogate		64.0/								
Nitroben		64 %	36-98	5	02/09/10	kb	02/10/10	avl		
2-Fluoro	•	68 %	44-105	5	02/09/10	kb	02/10/10	avi		
Terphen	yl-d14	83 %	46-109	5	02/09/10	kb	02/10/10	avl		
VET CHEM	IISTRY									
<u>Analysis Me</u> i	thod: % Calculation									

CERTIFICATE OF ANALYSIS

88 % by Wt.

0.10

02/09/10

sm

02/09/10

% Solids

Ν



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ANALYTICAL RESULTS

Trace Project ID: T10B091

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B091-09 Sample ID: Trip Blank			Collected: Received:	02/02/10 02/09/10 12	2:01	Matrix:	Matrix: Water		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARE) BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOU	INDS BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T014822									
Methyl-tert-butyl ether	<5.0 ug/L	5.0	1	02/09/10	gmr	02/09/10	gmr		
Benzene	<1.0 ug/L	1.0	1	02/09/10	gmr	02/09/10	gmr		
Toluene	<1.0 ug/L	1.0	1	02/09/10	gmr	02/09/10	gmr		
Ethylbenzene	<1.0 ug/L	1.0	1	02/09/10	gmr	02/09/10	gmr		
m,p-Xylene	<2.0 ug/L	2.0	1	02/09/10	gmr	02/09/10	gmr	N	
o-Xylene	<1.0 ug/L	1.0	1	02/09/10	gmr	02/09/10	gmr	N	
Xylenes, total	<3.0 ug/L	3.0	1	02/09/10	gmr	02/09/10	gmr		
Surrogates:									
1,2-Dichloroethane-d4	97 %	70-133	· 1	02/09/10	gmr	02/09/10	gmr		
Toluene-d8	104 %	76-125	1	02/09/10	gmr	02/09/10	gmr		
4-Bromofluorobenzene	103 %	71-123	1	02/09/10	gmr	02/09/10	gmr		
1,2-Dichlorobenzene-d4	92 %	72-123	1	02/09/10	gmr	02/09/10	gmr		



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QUALITY CONTROL RESULTS

Trace Project ID: T10B091

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014784

QC Batch Method: EPA 3550B Ultrasonic Extraction

Analysis Description: Semi-volatiles, TCL list

Analysis Method: EPA 8270C

METHOD BLANK: T014784-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Bis(2-ethylhexyl)phthalate	mg/kg wet	<0.083	0.083	
Nitrobenzene-d5 (S)	%	58	36-98	
2-Fluorobiphenyl (S)	%	60	44-105	
Terphenyl-d14 (S)	%	70	46-109	

LABORATORY CONTROL SAMPLE: T014784-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Bis(2-ethylhexyl)phthalate	mg/kg wet	3.33	2.99	90	49-121	
Nitrobenzene-d5 (S)	%	3.33	2.96	89	36-98	
2-Fluorobiphenyl (S)	%	3.33	2.89	87	44-105	
Terphenyl-d14 (S)	%	3.33	3.19	96	46-109	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014784-MSD1

Original: T10B091-06

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Bis(2-ethylhexyl)phthalate	mg/kg dry	1.98	3.53	3.99	2.67	57	20	40-124	98	35	204
Nitrobenzene-d5 (S)	%		3.53	2.47	1.74	70	49	36-98			
2-Fluorobiphenyl (S)	%		3.53	2.53	1.76	72	50	44-105			
Terphenyl-d14 (S)	%		3.53	2.86	1.92	81	54	46-109			

Trace Project ID: T10B091

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014811

QC Batch Method: EPA 3550B Ultrasonic Extraction

Analysis Description: Semi-volatiles, TCL list

Analysis Method: EPA 8270C

METHOD BLANK: T014811-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Bis(2-ethylhexyl)phthalate	mg/kg wet	<0.083	0.083	
Nitrobenzene-d5 (S)	%	67	36-98	
2-Fluorobiphenyl (S)	%	69	44-105	
Terphenyl-d14 (S)	%	88	46-109	

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Report ID: T10B091 FINAL 02 11 10 1333

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Trace Project ID: T10B091

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014794

Analysis Description: Volatiles, Full MDEQ+ List

QC Batch Method: EPA 5035 Purge-and-Trap for Solids and

Wastes

Analysis Method: EPA 8260B

METHOD BLANK: T014794-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Benzene	mg/kg wet	<0.0050	0.0050	
Toluene	mg/kg wet	<0.0050	0.0050	
Ethylbenzene	mg/kg wet	<0.0050	0.0050	
m,p-Xylene	mg/kg wet	<0.010	0.010	
o-Xylene	mg/kg wet	<0.0050	0.0050	
Xylenes, total	mg/kg wet	<0.015	0.015	
1,2-Dichloroethane-d4 (S)	%	86	71-131	
Toluene-d8 (S)	%	96	70-130	
4-Bromofluorobenzene (S)	%	92	65-122	
1,2-Dichlorobenzene-d4 (S)	%	94	54-134	

LABORATORY CONTROL SAMPLE: T014794-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	mg/kg wet	0.0200	0.0202	101	65-129	
Toluene	mg/kg wet	0.0200	0.0194	97	61-129	
1,2-Dichloroethane-d4 (S)	%	30.0	24.6	82	71-131	
Toluene-d8 (S)	%	30.0	29.0	97	70-130	
4-Bromofluorobenzene (S)	%	30.0	27.8	93	65-122	
1,2-Dichlorobenzene-d4 (S)	%	30.0	28.0	94	54-134	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014794-MSD1

Original:	T10B091-06
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Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Benzene	mg/kg dry	0	0.0138	0.0172	0.0142	103	103	64-142	0.6	21	
Toluene	mg/kg dry	0	0.0138	0.0177	0.0189	106	137	51-195	25	28	
1,2-Dichloroethane-d4 (S)	%		30.0	22.2	23.3	74	78	71-131			
Toluene-d8 (S)	%		30.0	29.8	29.1	99	97	70-130			
4-Bromofluorobenzene (S)	%		30.0	28.8	28.6	96	95	65-122			
1,2-Dichlorobenzene-d4 (S)	%		30.0	26.8	27.6	89	92	54-134			

Trace Project ID: T10B091

Client Project ID: LEC MW19HS1 Remediation / 6527.40

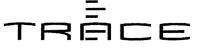
QC Batch: T014822

Analysis Description: Volatiles, BTEX/MTBE (GC/MS)

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous

Analysis Method: EPA 8260B

Samples



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METHOD BLANK: T014822-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Methyl-tert-butyl ether	ug/L	<5.0	5.0	
Benzene	ug/L	<1.0	1.0	
Toluene	ug/L	<1.0	1.0	
Ethylbenzene	ug/L	<1.0	1.0	
m,p-Xylene	ug/L	<2.0	2.0	
o-Xylene	ug/L	<1.0	1.0	
Xylenes, total	ug/L	<3.0	3.0	
1,2-Dichloroethane-d4 (S)	%	95	70-133	
Toluene-d8 (S)	%	104	76-125	
4-Bromofluorobenzene (S)	%	100	71-123	
1,2-Dichlorobenzene-d4 (S)	%	92	72-123	

LABORATORY CONTROL SAMPLE: T014822-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	18.9	95	80-120	
Toluene	ug/L	20.0	19.1	95	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	43.0	95	70-133	
Toluene-d8 (S)	%	45.0	46.2	103	76-125	
4-Bromofluorobenzene (S)	%	45.0	46.0	102	71-123	
1,2-Dichlorobenzene-d4 (S)	%	45.0	43.4	96	72-123	

Trace Project ID: T10B091

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014806

QC Batch Method: % Solids

Analysis Description: Solids, Dry Weight

Analysis Method: % Calculation

SAMPLE DUPLICATE: T014806-DUP1 Original: T10B091-06

Parameter	Units	Original Result	DUP Result	ŀ	RPD	Max RPD	Notes
% Solids	% by Wt.	94.4	94.3		0.1	20	

Trace Project ID: T10B091

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014808 QC Batch Method: % Solids

Analysis Description: Solids, Dry Weight Analysis Method: % Calculation

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Report Results To:						ERVOC	POF	mt	inc con	,			Drinkin NPDE	ig Watei S			* 5 D	ay Day (R	USH)			V = Water E = Sedin	nent	LW = Li A = Air	iquid Was	ste
Œ		ject #:					РО		Trace Quote #			ı	USACI Specia					Hour (8 Duires p		□ proval	-)I = Oil SO = Solid	Waste	D = Dri SL = Si	inking Wa ludge	ter
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-	Attr				<u> </u>	Phor	ne:		Fax:	- 1	=	00		4	10/	/ ,	/ ,	Ι,	/	Ι.		//				Possible Health Hazard
		TRACE NO.	DATE	TIME	METALS FIELD FILTERED		CL	IENT SAM	IPLE ID		MATRIX	NUMBER OF CONTAINERS	/{		et	/,	Ι,	/,					REM	ARKS		Possil
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ă 2) Fronk 19/13 12:01 4) In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

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Report ID: T10B091 FINAL 02 11 10 1333



phone fax

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Trace Analytical Laboratories, Inc. 2241 Black Creek Road Muskegon, MI 49444-2673 info@trace-labs.com www.trace-labs.com

SAMPLE LOG IN CHECKLIST

Date: 2/9/10	Client Name:	PMT		# of Coolers	s: /	
Trace ID#: 7/0/8091	Project Name:	LEC MWY		Cooler #s	:	
	Logged in by:	15~		_ Cooler #s	s:	
	Coc	oler Rece	ipt			
	Trace cour	rier				
Cooler/samples delivered by:	Hand deliver	red	Name of delivery person:			
	Commercial cour	ier	UPS DHL	FED EX		ail
Did cooler come with a bill of lading?	1	No 🔛	Not A	pplicable		
	Y	es	Way Bill or Tracking #:			
COC Seals present and intact on cooler?	No 🖳	Not	Applicable			
	Yes	-				
Custody seals signed by Client?	No	Client cu	stody seal # (if applicable):			
	Yes					
	Coolant a					
Type of Coolant Use		C00	·//	Time: /2 /0		_ °C
Slurry w/ crushed, cubed, or chip ice?	Yes No	l	Temperature Blank:		۰c 	
Multiple bags of ice around samples?		1	Range of 3 samples:			
Ice Packs/ Blue Ice :			Melt Water:		*C	
No Coolant Present:		lce	still present upon receipt:		∏ No	
		General	The state of the s			
	<u> </u>	Octional .			Yes No	NA
Co	OC taped to inside	of cooler lid?	geographic openic am hydro american de gypt printer page 1974 i 1974 bydene e sak			
All bottles arrived unbroke			**************************************			
Each sample	point is in a sealed	plastic bag?				
	Labels filled out	completely?	aphords #pagasagustic in Chausagus in the Try copy phone in the aparagraph of the Unit analysis follows:	. MATTER STREET, EXPERIENCE OF THE CONTRACT OF THE STREET, A STREET, OF THE STREET, A		
All bottle labels agree			Annual property and the second			
Sufficient	sample to run test	s requested?	NOT THE COMPANY OF THE PROPERTY OF THE COMPANY OF T	. Not all years and the second		
pH check	red and samples a	t correct pH?	appear of the succession deals of the succession	tinati tayayyay it imro birtasi tahih adan at dalahay ayayanlahka		4
DRO/GRO samples received and approp			COMPANIENCE OF THE COMPANIENCE O			님
' '	Air bubbles absent		Burness			1
				performance of a filter angest and a papagement		一
	by TRACE sample				海目	
Was project manager	called and samples	discussed?				
Contact:			Date:	-		
Notes:						
Notes:						
				——————————————————————————————————————		
			···			

Rev.8 11/21/06

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February 04, 2010

Ms. Jennifer Overvoorde RMT, Inc. 2025 E. Beltline Ave. SE Suite 402 Grand Rapids, MI 49546

Phone: (616) 975-5415 Fax: (616) 975-1098

RE: Trace Project

T10A215

Client Project

LEC MW19HS1 Remediation / 6527.40

Dear Ms. Overvoorde:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

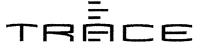
If you have questions concerning this report, please contact me at 231.773.5998 or by email at imink@trace-labs.com.

Sincerely,

Jon Mink Project Manager

Enclosures





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SAMPLE SUMMARY

Trace Project ID:

T10A215

Client Project ID:

LEC MW19HS1 Remediation / 6527.40

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T10A215-01	WPS-19HS1-10-1	Soil	sp	01/26/10 15:30	01/27/10 10:28



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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

Matrix Spike MS

Matrix Spike Duplicate MSD RPD Relative Percent Difference

DUP Matrix Duplicate

Reporting Detection Limit RDL MCL **Maximum Contamination Limit** TIC Tentatively Identified Compound

<, ND or U

Indicates the compound was analyzed for but not detected Indicates a result that exceeds its associated MCL or Surrogate control limits

Indicates that the compound has not been evaluated by NELAC Ν

Indicates that the compound is not available. NA

DATA QUALIFIERS

Trace ID: T014619-MS1	
Analysis: EPA Chapter 7.3	
Sulfide, Reactive	Note 229: The MS and MSD recoveries were out of control. The RPD between the MS and MSD was also out of control. The result for this analyte, in the non-spiked version of the sample, must be considered estimated.
Trace ID: T014619-MSD1	
Analysis: EPA Chapter 7.3	
Sulfide, Reactive	Note 229: The MS and MSD recoveries were out of control. The RPD between the MS and MSD was also out of control. The result for this analyte, in the non-spiked version of the sample, must be considered estimated.
Trace ID: T014694-MSD1	
Analysis: EPA 8260B	
Toluene	Note 222.5: The MS and MSD recoveries were out of control. Because the sample background concentration of this analyte is greater than the spike amount, no data require qualification.
Trace ID: T10A215-01 Analysis: EPA 8082	
Tetrachioro-m-xylene	Note 303: The secondary surrogate (tetrachloro-m-xylene) recovery for this sample fell outside the laboratory established control limits. The primary surrogate (decachlorobiphenyl) recovery was in control. No data require qualification.
Analysis: EPA 8270C	
2,4,6-Tribromophenol	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

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2-Fluorobiphenyl	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
2-Fluorophenol	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Nitrobenzene-d5	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Phenol-d5	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Terphenyl-d14	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Analysis: EPA Chapter 7.3	
Sulfide, Reactive	Note 229: The MS and MSD recoveries were out of control. The RPD between the MS and MSD was also out of control. The result for this analyte, in the non-spiked version of the sample, must be considered estimated.



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ANALYTICAL RESULTS

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10A215-01 WPS-19HS1-10-1			Collected: Received:	01/26/10 15 01/27/10 10		Matrix: \$	Soil		
PARAMETE	:RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUN	IDS BY GC-MS		· · · · · · · ·						
Analysis Me	ethod: EPA 8260B									
Batch:	T014694									
Dichlorod	lifluoromethane	<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
Chlorome	ethane	<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
Vinyl chlo	oride	<5.1 mg/kg dry	5.1	5000	02/02/10	jp	02/02/10	jp	N	
Bromome	ethane	<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
Chloroeth	nane	<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
Trichlorof	luoromethane	<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
Diethyl et	her	<25 mg/kg dry	25	5000	02/02/10	jp	02/02/10	jp	N	
Tert-butyl	l alcohol	<320 mg/kg dry	320	5000	02/02/10	jp	02/02/10	jp	N	
1,1-Dichle	oroethene	<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
Acetone		<95 mg/kg dry	95	5000	02/02/10	jp	02/02/10	jp		
Iodometh	ane	<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp	N	
Carbon di	isulfide	<32 mg/kg dry	32	5000	02/02/10	jp	02/02/10	jp		
Methyl-te	rt-butyl ether	<32 mg/kg dry	32	5000	02/02/10	jp	02/02/10	jp		
Methylene	e chloride	<13 mg/kg dry	13	5000	02/02/10	jp	02/02/10	jp		
Acrylonitr	ile	<13 mg/kg dry	13	5000	02/02/10	jp	02/02/10	jp	N	
trans-1,2-	Dichloroethene	<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
1,1-Dichlo	oroethane	<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
Diisoprop	yl Ether	<32 mg/kg dry	32	5000	02/02/10	jp	02/02/10	jp	N	
2-Butano	ne	4600 mg/kg dry	1900	100000	02/02/10	jp	02/02/10	jp		
cis-1,2-Di	chloroethene	<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
t-Butyl Etl	hyl Ether	<32 mg/kg dry	32	5000	02/02/10	jp	02/02/10	jp	N	
Bromochle	oromethane	<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
Tetrahydr	ofuran	<130 mg/kg dry	130	5000	02/02/10	jp	02/02/10	jp	N	
Chloroforn	m	<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
1,1,1-Tric	hloroethane	68 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
Carbon te	trachloride	<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
Benzene		<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
t-Amyl Me	ethyl Ether	<32 mg/kg dry	32	5000	02/02/10	jp	02/02/10	jp	N	
1,2-Dichlo	oroethane	28 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
Cyclohexa	ane	<32 mg/kg dry	32	5000	02/02/10	jp	02/02/10	jp	N	
Trichloro	ethene	23 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
1,2-Dichlo	ropropane	<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
Dibromom	nethane	<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		
Bromodic	hloromethane	<6.4 mg/kg dry	6.4	5000	02/02/10	jp	02/02/10	jp		

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<6.4 mg/kg dry

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6.4

5000

02/02/10

02/02/10

jp

cis-1,3-Dichloropropene



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Muskegon, MI 49444-2673
info@trace-labs.com
www.trace-labs.com

ANALYTICAL RESULTS

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Date Collected: 01/26/10 15:30 Matrix: Soil T10A215-01 Sample ID: WPS-19HS1-10-1 Date Received: 01/27/10 10:28 **PARAMETERS RESULTS UNITS RDL** DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** 4-Methyl-2-pentanone <6400 mg/kg dry 100000 02/02/10 02/02/10 6400 jp jp Toluene 41000 mg/kg dry 500000 02/02/10 02/02/10 640 jp jp trans-1,3-Dichloropropene <6.4 mg/kg dry 5000 02/02/10 02/02/10 64 jp jp <6.4 mg/kg dry 6.4 5000 02/02/10 02/02/10 1,1,2-Trichloroethane jp jp Tetrachloroethene 5000 02/02/10 02/02/10 35 mg/kg dry jp jp 6.4 5000 02/02/10 02/02/10 2-Hexanone <320 mg/kg dry 320 įр įр Dibromochloromethane 5000 02/02/10 02/02/10 <6.4 mg/kg dry iр jp 64 5000 02/02/10 02/02/10 1,2-Dibromoethane (EDB) <6.4 mg/kg dry jр jp 6.4 Chlorobenzene 16 mg/kg dry 5000 02/02/10 jp 02/02/10 jp 6.4 5000 1,1,1,2-Tetrachloroethane <6.4 mg/kg dry 02/02/10 jp 02/02/10 jp 6.4 Ethylbenzene 510 mg/kg dry 5000 02/02/10 02/02/10 jp jp 6.4 m,p-Xylene 2000 mg/kg dry 5000 02/02/10 02/02/10 Ν 13 jp jp o-Xylene 810 mg/kg dry 5000 02/02/10 02/02/10 N jp įр 6.4 Xylenes, total 2900 mg/kg dry 5000 02/02/10 02/02/10 Ν 19 jp jp Styrene <6.4 mg/kg dry 5000 02/02/10 02/02/10 6.4 jp jp Bromoform <6.4 mg/kg dry 5000 02/02/10 02/02/10 6.4 jp jp Isopropylbenzene 40 mg/kg dry 5000 02/02/10 jp 02/02/10 jp 6.4 1,1,2,2-Tetrachloroethane <6.4 mg/kg dry 5000 02/02/10 02/02/10 6.4 jp jp 1,2,3-Trichloropropane <6.4 mg/kg dry 5000 02/02/10 jp 02/02/10 jp 6.4 <6.4 mg/kg dry trans-1,4-Dichloro-2-butene 5000 02/02/10 02/02/10 jp jp 6.4 Bromobenzene <6.4 mg/kg dry 5000 02/02/10 jp 02/02/10 jp 6.4 5000 n-Propylbenzene 46 mg/kg dry 02/02/10 02/02/10 jp jp 6.4 1,3,5-Trimethylbenzene 94 mg/kg dry 5000 02/02/10 02/02/10 6.4 jр jp 5000 02/02/10 02/02/10 t-Butyl Benzene <6.4 mg/kg dry 6.4 jр jp 1,2,4-Trimethylbenzene 190 mg/kg dry 5000 02/02/10 jp 02/02/10 jp 6.4 sec-Butylbenzene <6.4 mg/kg dry 5000 02/02/10 02/02/10 jp jp 6.4 5000 02/02/10 p-Isopropyltoluene <6.4 mg/kg dry 02/02/10 jp 6.4 jp 5000 02/02/10 02/02/10 1,3-Dichlorobenzene <6.4 mg/kg dry jp 6.4 jp 5000 02/02/10 1,4-Dichlorobenzene <6.4 mg/kg dry 6.4 02/02/10 jp jp n-Butylbenzene 18 mg/kg dry 5000 02/02/10 02/02/10 6.4 jp jр 5000 1,2,3-Trimethylbenzene 50 mg/kg dry 6.4 02/02/10 jp 02/02/10 jp Ν 1,2-Dichlorobenzene <6.4 mg/kg dry 5000 02/02/10 02/02/10 6.4 jp jp 5000 1,2-Dibromo-3-chloropropane <13 mg/kg dry 13 02/02/10 jp 02/02/10 jp Hexachloroethane 5000 02/02/10 02/02/10 <6.4 mg/kg dry jp jp Ν 6.4 5000 02/02/10 1,2,4-Trichlorobenzene <6.4 mg/kg dry 6.4 02/02/10 jp jp

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34 mg/kg dry

<6.4 mg/kg dry

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32

6.4

5000

5000

02/02/10

02/02/10

jp

jр

02/02/10

02/02/10

Naphthalene

1,2,3-Trichlorobenzene

Ν

jp

jp



fax

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ANALYTICAL RESULTS

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A215-01 Sample ID: WPS-19HS1-10-1			Collected: Received:	01/26/10 15: 01/27/10 10:		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOU	NDS BY GC-MS			·					
2-Methylnaphthalene	<32 mg/kg dry	32	5000	02/02/10	jp	02/02/10	jp	N	
Surrogates:									
1,2-Dichloroethane-d4	99 %	70-133	5000	02/02/10	jp	02/02/10	jp		
1,2-Dichloroethane-d4	99 %	70-133	100000	02/02/10	jp	02/02/10	jp		
1,2-Dichloroethane-d4	101 %	70-133	500000	02/02/10	jp	02/02/10	jp		
Toluene-d8	108 %	76-125	5000	02/02/10	jp	02/02/10	jp		
Toluene-d8	105 %	76-125	100000	02/02/10	jp	02/02/10	jp		
Toluene-d8	106 %	76-125	500000	02/02/10	jp	02/02/10	jp		
4-Bromofluorobenzene	100 %	71-123	5000	02/02/10	jp	02/02/10	jp		
4-Bromofluorobenzene	102 %	71-123	100000	02/02/10	jp	02/02/10	jp		
4-Bromofluorobenzene	104 %	71-123	500000	02/02/10	jp	02/02/10	jp		
1,2-Dichlorobenzene-d4	93 %	72-123	5000	02/02/10	jp	02/02/10	jp		
1,2-Dichlorobenzene-d4	92 %	72-123	100000	02/02/10	jp	02/02/10	jp		
1,2-Dichlorobenzene-d4	93 %	72-123	500000	02/02/10	qi	02/02/10	jp		
Batch: T014717									
Vinyl chloride	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.20
1,1-Dichloroethene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jр		0.70
2-Butanone	34 mg/L	2.5	500	02/03/10	jp	02/03/10	jp		200
Chloroform	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		6.0
Carbon tetrachloride	<0.050 mg/L	0.050	50	02/03/10	jр	02/03/10	jp		0.50
Benzene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.50
1,2-Dichloroethane	0.20 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.50
Trichloroethene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.50
Tetrachloroethene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.70
Chlorobenzene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		100
1,4-Dichlorobenzene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		7.5
Surrogates:	-								
1,2-Dichloroethane-d4	103 %	70-133	50	02/03/10	jp	02/03/10	jp		
1,2-Dichloroethane-d4	103 %	70-133	500	02/03/10	jp	02/03/10	jp		
Toluene-d8	106 %	76-125	50	02/03/10	jp	02/03/10	jp		
Toluene-d8	104 %	76-125	500	02/03/10	jp	02/03/10	jp		
4-Bromofluorobenzene	101 %	72-123	50	02/03/10	jp	02/03/10	jp		
	00.07	70.400	500	00/02/40	i.	02/03/10			
4-Bromofluorobenzene	96 %	72-123	500	02/03/10	jp	02/03/10	jp		

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ANALYTICAL RESULTS

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10A215-01 WPS-19HS1-10-1			Collected: Received:	01/26/10 15 01/27/10 10		Matrix:	Soil		-
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUN	IDS, TCLP								
1,2-Dich	nlorobenzene-d4	90 %	71-123	500	02/03/10	jp	02/03/10	jp		
SEMI-VOL	ATILE ORGANIC COM	IPOUNDS BY GC-MS								
Analysis Me	ethod: EPA 8270C									
Batch:	T014620									
Bis(2-chlo	proethyl)ether	<0.40 mg/kg dry	0.40	10	01/29/10	kb	02/02/10	avl		
2-Chlorop	henol	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Phenol		1.5 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
1,3-Dichlo	orobenzene	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avi		
1,4-Dichlo	probenzene	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
1,2-Dichlo	probenzene	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Benzyl ale	cohol	<7.9 mg/kg dry	7.9	10	01/29/10	kb	02/02/10	avl		
Bis(2-chlo	proisopropyl)ether	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
2-Methylp	henol (o-Cresol)	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
3,4-Methy	/lphenol (m,p Cresol)	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
N-Nitroso	di-n-propylamine	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Hexachlo	roethane	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Nitrobenz	ene	<0.40 mg/kg dry	0.40	10	01/29/10	kb	02/02/10	avl		
Isophoro	ne	7.6 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
2-Nitrophe	enol	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avi		
2,4-Dimet	hylphenol	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Bis(2-chlo	roethoxy)methane	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Benzoic a	cid	<14 mg/kg dry	14	10	01/29/10	kb	02/02/10	avl		
1,2,4-Tric	hlorobenzene	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
2,4-Dichlo	prophenol	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Naphthale	ene	1.7 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avi		
4-Chloroa	niline	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Hexachlor	obutadiene	<0.40 mg/kg dry	0.40	10	01/29/10	kb	02/02/10	avl		
4-Chloro-3	3-methylphenol	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
2-Methyln	aphthalene	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Hexachlor	ocyclopentadiene	<2.0 mg/kg dry	2.0	10	01/29/10	kb	02/02/10	avl		
2,4,6-Trich	hlorophenol	<0.40 mg/kg dry	0.40	10	01/29/10	kb	02/02/10	avl		
2,4,5-Tricl	hlorophenol	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
2-Chloron	aphthalene	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
2-Nitroanil	line	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		

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<1.0 mg/kg dry

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1.0

10

01/29/10

kb

02/02/10

avi

Dimethyl phthalate



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ANALYTICAL RESULTS

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A215-01 Sample ID: WPS-19HS1-10-1			Collected: Received:	01/26/10 15 01/27/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	ВҮ	ANALYZED	ву	NOTES	МС
SEMI-VOLATILE ORGANIC COM	MPOUNDS BY GC-MS			_					
Acenaphthylene	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
2,6-Dinitrotoluene	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
3-Nitroaniline	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Acenaphthene	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Dibenzofuran	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
2,4-Dinitrotoluene	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
4-Nitrophenol	<8.0 mg/kg dry	8.0	10	01/29/10	kb	02/02/10	avl		
2,4-Dinitrophenol	<8.0 mg/kg dry	8.0	10	01/29/10	kb	02/02/10	avi		
Diethyl phthalate	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Fluorene	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
4-Chlorophenyl phenyl ether	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
4-Nitroaniline	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
4,6-Dinitro-2-methylphenol	<2.0 mg/kg dry	2.0	10	01/29/10	kb	02/02/10	avl		
N-Nitrosodiphenylamine	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
4-Bromophenyl phenyl ether	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Hexachlorobenzene	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Pentachlorophenol	<4.3 mg/kg dry	4.3	10	01/29/10	kb	02/02/10	avl		
Phenanthrene	<0.40 mg/kg dry	0.40	10	01/29/10	kb	02/02/10	avl		
Anthracene	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Carbazole	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avi		
Di-n-butyl phthalate	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Fluoranthene	<0.40 mg/kg dry	0.40	10	01/29/10	kb	02/02/10	avl		
Pyrene	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Butyl benzyl phthalate	130 mg/kg dry	20	200	01/29/10	kb	02/02/10	avl		
Benzo (a) anthracene	<0.40 mg/kg dry	0.40	10	01/29/10	kb	02/02/10	avl		
Chrysene	<0.40 mg/kg dry	0.40	10	01/29/10	kb	02/02/10	avl		
3,3'-Dichlorobenzidine	<7.9 mg/kg dry	7.9	10	01/29/10	kb	02/02/10	avl	N	
Bis(2-ethylhexyl)phthalate	1400 mg/kg dry	40	400	01/29/10	kb	02/03/10	avl		
Di-n-octyl phthalate	<1.0 mg/kg dry	1.0	10	01/29/10	kb	02/02/10	avl		
Benzo (b) fluoranthene	<0.40 mg/kg dry	0.40	10	01/29/10	kb	02/02/10	avl		
Benzo (k) fluoranthene	<0.40 mg/kg dry	0.40	10	01/29/10	kb	02/02/10	avl		
Benzo (a) pyrene	<0.40 mg/kg dry	0.40	10	01/29/10	kb	02/02/10	avi		
Indeno (1,2,3-cd) pyrene	<0.40 mg/kg dry	0.40	10		kb	02/02/10	avl		
Dibenz (a,h) anthracene	<0.40 mg/kg dry	0.40	10		kb	02/02/10	avl		
Benzo (g,h,i) perylene	<0.40 mg/kg dry	0.40	10		kb	02/02/10	avi		
Surrogates: 2-Fluorophenol	* %	38-81	10		kb	02/02/10	avl	302	

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ANALYTICAL RESULTS

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A215-01 Sample ID: WPS-19HS1-10-1			Collected: Received:	01/26/10 15 01/27/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
SEMI-VOLATILE ORGANIC COM	POUNDS BY GC-MS								
Phenol-d5	* %	32-102	10	01/29/10	kb	02/02/10	avl	302	
Nitrobenzene-d5	* %	36-98	10	01/29/10	kb	02/02/10	avl	302	
2-Fluorobiphenyl	* %	44-105	10	01/29/10	kb	02/02/10	avl	302	
2,4,6-Tribromophenol	* %	38-101	10	01/29/10	kb	02/02/10	avl	302	
Terphenyl-d14	* %	46-109	10	01/29/10	kb	02/02/10	avl	302	
SEMI-VOLATILE ORGANIC COM	POUNDS, TCLP								
Analysis Method: EPA 8270C									
Batch: T014600									
Pyridine	<0.40 mg/L	0.40	2	01/28/10	kb	01/29/10	avi		5.0
2-Methylphenol (o-Cresol)	<0.050 mg/L	0.050	2	01/28/10	kb	01/29/10	avl		200
3,4-Methylphenol (m,p Cresol)	<0.050 mg/L	0.050	2	01/28/10	kb	01/29/10	avl		200
Hexachloroethane	<0.050 mg/L	0.050	2	01/28/10	kb	01/29/10	avi		3.0
Nitrobenzene	<0.020 mg/L	0.020	2	01/28/10	kb	01/29/10	avl		2.0
Hexachlorobutadiene	<0.050 mg/L	0.050	2	01/28/10	kb	01/29/10	avl		0.50
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	01/28/10	kb	01/29/10	avl		2.0
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	01/28/10	kb	01/29/10	avl		400
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	01/28/10	kb	01/29/10	avl		0.13
Hexachlorobenzene	<0.050 mg/L	0.050	2	01/28/10	kb	01/29/10	avl		0.13
Pentachlorophenol	<0.10 mg/L	0.10	2	01/28/10	kb	01/29/10	avl		100
Surrogates: 2-Fluorophenol	29 %	20-53	2	01/28/10	kb	01/29/10	avl		
Phenol-d5	16 %	11-40	2	01/28/10	kb	01/29/10	avl		
Nitrobenzene-d5	46 %	36-103	2	01/28/10	kb	01/29/10	avi		
2-Fluorobiphenyl	41 %	36-103	2	01/28/10	kb	01/29/10	avi		
2,4,6-Tribromophenol	42 %	30-119	2	01/28/10	kb	01/29/10	avi		
2,7,0° i noromophenor	.= /0	30-103	4	01/20/10	KD	01/23/10	avi		



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ANALYTICAL RESULTS

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A215-01 Sample ID: WPS-19HS1-10-1			Collected: Received:	01/26/10 15 01/27/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	ВҮ	ANALYZED	BY	NOTES	MCI
PESTICIDES/PCBS					_				
Analysis Method: EPA 8082	•								
Batch: T014603									•
Aroclor-1016	<0.097 mg/kg dry	0.097	1	01/28/10	kb	01/29/10	tim		
Aroclor-1221	<0.097 mg/kg dry	0.097	1	01/28/10	kb	01/29/10	tim		
Aroclor-1232	<0.097 mg/kg dry	0.097	1	01/28/10	kb	01/29/10	tim		
Aroclor-1242	<0.097 mg/kg dry	0.097	1	01/28/10	kb	01/29/10	tim		
Aroclor-1248	<0.097 mg/kg dry	0.097	1	01/28/10	kb	01/29/10	tim		
Aroclor-1254	2.1 mg/kg dry	0.97	10	01/28/10	kb	02/01/10	tim		
Aroclor-1260	<0.097 mg/kg dry	0.097	1	01/28/10	kb	01/29/10	tim		
Surrogates: Tetrachloro-m-xylene	* 33 %	40-113	1	01/28/10	kb	01/29/10	tim	303, N	
Decachlorobiphenyl	47 %	32-111	1	01/28/10	kb	01/29/10	tim	N	
METALS, TOTAL Analysis Method: EPA 6010B Batch: T014602									
Barium	230 mg/kg dry	3.9	1	01/28/10	jd	02/01/10	jlm		
Cadmium	680 mg/kg dry	0.78	1	01/28/10	jd	02/01/10	jlm		
Chromium	14 mg/kg dry	3.9	1	01/28/10	jd	02/01/10	jlm		
Lead	74 mg/kg dry	3.9	1	01/28/10	jd	02/01/10	jlm		
Analysis Method: EPA 6020 Batch: T014602									
Arsenic	2.0 mg/kg dry	0.39	10	01/28/10	jd	02/01/10	jn		
Selenium	23 mg/kg dry	0.78	10	01/28/10	jd	02/01/10	jn		
Silver	<0.39 mg/kg dry	0.39	10	01/29/10	jd	02/01/10	jn		
Analysis Method: EPA 7471A									
Batch: T014602									
Daton. 1014002									



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ANALYTICAL RESULTS

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A215-01 Sample ID: WPS-19HS1-10-1			Collected: Received:		01/26/10 15:30 01/27/10 10:28		Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TCLP									
Analysis Method: EPA 6010B									
Batch: T014596									
Arsenic	<0.30 mg/L	0.30	1	01/28/10	jd	02/01/10	jlm		5.0
Barium	<1.0 mg/L	1.0	1	01/28/10	jd	02/01/10	jlm		100
Cadmium	0.83 mg/L	0.10	1	01/28/10	jd	02/01/10	jlm		1.0
Chromium	<0.50 mg/L	0.50	1	01/28/10	jd	02/01/10	jlm		5.0
Lead	<0.50 mg/L	0.50	1	01/28/10	jd	02/01/10	jlm		5.0
Selenium	<0.60 mg/L	0.60	1	01/28/10	jd	02/01/10	jlm		1.0
Silver	<0.10 mg/L	0.10	1	01/28/10	jd	02/01/10	jlm		5.0
Analysis Method: EPA 7470A Batch: T014617									
Mercury	<0.010 mg/L	0.010	1	01/29/10	jd	02/01/10	jlm		0.20
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014606									
% Solids	100 % by Wt.	0.10	1	01/28/10	sm	01/29/10	bd	N	
Analysis Method: EPA 1010									
Batch: T014644									
Flashpoint	190 °F	1.0	1	02/01/10	sm	02/01/10	sm		
Analysis Method: EPA 9040C									
Batch: T014612									
Corrosivity-pH	6.07 pH Units		1	01/28/10	sm	01/28/10	sm	N	
Analysis Method: EPA Chapter 7.3 Batch: T014618									
Cyanide, Reactive	<0.50 mg/kg dry	0.50	1	01/29/10	da	02/01/10	bd		
Sulfide, Reactive	<5.1 mg/kg dry	5.1	1	01/29/10	da	02/01/10	bd	229, N	



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QUALITY CONTROL RESULTS

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014592

QC Batch: 1014592
QC Batch Method: Leaching proceedures

Analysis Description: TCLP Extraction, SVOC

Analysis Method: EPA 1311

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014596

Analysis Description: Cadmium, TCLP

QC Batch Method: EPA 3015 Microwave Assisted

Analysis Method: EPA 6010B

METHOD BLANK: T014596-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Lead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	

METHOD BLANK: T014596-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Lead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	

LABORATORY CONTROL SAMPLE: T014596-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Silver	mg/L	0.0278	<0.10	87	80-120	
Arsenic	mg/L	0.0556	<0.30	94	80-120	
Barium	mg/L	0.889	<1.0	101	80-120	
Cadmium	mg/L	0.0278	<0.10	96	80-120	
Chromium	mg/L	0.0278	<0.50	100	80-120	
_ead	mg/L	0.0556	<0.50	102	80-120	
Selenium	ma/L	0.0556	<0.60	93	80-120	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014596-MSD1 Original: T10A215-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Silver	mg/L	0	0.250	0.221	0.222	88	89	75-125	0.6	20	
Arsenic	mg/L	0	0.500	0.479	0.480	96	96	75-125	0.1	20	
Barium	mg/L	0.218	8.00	8.02	8.05	97	98	75-125	0.4	20	
Cadmium	mg/L	0.832	0.250	1.07	1.10	94	105	75-125	12	20	
Chromium	mg/L	0	0.250	0.246	<0.50	98	101	75-125	3	20	
Lead	mg/L	0.168	0.500	0.630	0.653	92	97	75-125	5	20	
Selenium	mg/L	0	0.500	0.410	<0.60	82	98	75-125	17	20	

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014602 Analysis Description: Lead, Total
QC Batch Method: EPA 3051 Microwave Assisted Analysis Method: EPA 6010B

METHOD BLANK: T014602-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Barium	mg/kg dry	<1.0	1.0	
Cadmium	mg/kg dry	<0.20	0.20	
Chromium	mg/kg dry	<2.0	2.0	
Lead	mg/kg dry	<1.0	1.0	

LABORATORY CONTROL SAMPLE: T014602-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Barium	mg/kg dry	40.0	36.3	91	80-120	
Cadmium	mg/kg dry	40.0	38.1	95	80-120	
Chromium	mg/kg dry	40.0	38.1	95	80-120	
Lead	mg/kg dry	40.0	37.6	94	80-120	

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014602 Analysis Description: Arsenic, Total
QC Batch Method: EPA 3051 Microwave Assisted Analysis Method: EPA 6020

METHOD BLANK: T014602-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Arsenic	mg/kg dry	<0.10	0.10	
Selenium	mg/kg dry	<0.20	0.20	

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LABORATORY CONTROL SAMPLE: T014602-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Arsenic	mg/kg dry	5.00	4.68	94	80-120	
Selenium	mg/kg dry	5.00	4.41	88	80-120	

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014626	Analysis Description: Silver, Total	
QC Batch Method: EPA 3051 Microwave Assisted Digestion	Analysis Method: EPA 6020	

METHOD BLANK: T014626-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/kg dry	<0.10	0.10	

LABORATORY CONTROL SAMPLE: T014626-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Silver	mg/kg dry	5.00	4.94	99	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014626-MSD1	Original: T10A215-01
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		Original	Spike	MS	MSD	MS	MSD	% Pac		Max	
Parameter	Units	Result	Conc.	Result	Result	% Rec	% Rec	% Rec Limit	RPD	RPD	Notes
Silver	ma/ka dry	0.0894	19.8	18 9	19.8	97	100	75-125		20	

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014617	Analysis Description: Mercury, TCLP
QC Batch Method: EPA 7470A Prep	Analysis Method: EPA 7470A

METHOD BLANK: T014617-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/L	<0.010	0.010	

METHOD BLANK: T014617-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/L	<0.010	0.010	



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LABORATORY CONTROL SAMPLE: T014617-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	mg/L	0.00200	<0.010	99	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014617-MSD1

Original: T10A215-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Mercury	mg/L	0.000725	0.0500	0.0510	0.0500	101	99	75-125	2	20	

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014602 Analysis Description: Mercury, Total, EPA 7470/7471 QC Batch Method: EPA 3051 Microwave Assisted Analysis Method: EPA 7471A

METHOD BLANK: T014602-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/kg dry	<0.050	0.050	

LABORATORY CONTROL SAMPLE: T014602-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	mg/kg dry	0.200	0.180	90	77-122	

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014591 Analysis Description: TCLP Extraction, Metals QC Batch Method: Leaching proceedures

Analysis Method: EPA 1311

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014593 Analysis Description: TCLP ZHE, Volatiles QC Batch Method: Leaching proceedures Analysis Method: EPA 1311

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014603 Analysis Description: PCBs QC Batch Method: EPA 3540C Soxhlet Extraction Analysis Method: EPA 8082



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METHOD BLANK: T014603-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Aroclor-1016	mg/kg wet	<0.33	0.33	
Aroclor-1221	mg/kg wet	< 0.33	0.33	
Aroclor-1232	mg/kg wet	< 0.33	0.33	
Aroclor-1242	mg/kg wet	< 0.33	0.33	
Aroclor-1248	mg/kg wet	<0.33	0.33	
Aroclor-1254	mg/kg wet	<0.33	0.33	
Aroclor-1260	mg/kg wet	<0.33	0.33	
Tetrachloro-m-xylene (S)	%	54	40-113	
Decachlorobiphenyl (S)	%	50	32-111	

LABORATORY CONTROL SAMPLE: T014603-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Aroclor-1016	mg/kg wet	0.665	0.352	53	51-110	
Aroclor-1260	mg/kg wet	0.665	0.378	57	49-110	
Tetrachloro-m-xylene (S)	%	0.0333	0.0222	67	40-113	
Decachlorobiphenyl (S)	%	0.0333	0.0208	62	32-111	

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch Method: EPA 3510C Separatory Funnel

Analysis Description: TCLP Semi-Volatiles Analysis Method: EPA 8270C

METHOD BLANK: T014600-BLK1

QC Batch: T014600

Parameter	Units	Blank Result	Reporting Limit	Notes
Pyridine	mg/L	<0.020	0.020	
2-Methylphenol (o-Cresol)	mg/L	<0.0025	0.0025	
3,4-Methylphenol (m,p Cresol)	mg/L	<0.0025	0.0025	
Hexachloroethane	mg/L	<0.0025	0.0025	
Nitrobenzene	mg/L	<0.0010	0.0010	
Hexachlorobutadiene	mg/L	<0.0025	0.0025	
2,4,6-Trichlorophenol	mg/L	<0.0010	0.0010	
2,4,5-Trichlorophenol	mg/L	<0.0025	0.0025	
2,4-Dinitrotoluene	mg/L	<0.0025	0.0025	
Hexachlorobenzene	mg/L	<0.0025	0.0025	
Pentachlorophenol	mg/L	<0.0050	0.0050	
2-Fluorophenol (S)	%	42	20-53	
Phenol-d5 (S)	%	24	11-40	
Nitrobenzene-d5 (S)	%	79	36-103	
2-Fluorobiphenyl (S)	%	65	36-119	
2,4,6-Tribromophenol (S)	%	81	30-105	
Terphenyl-d14 (S)	%	81	37-109	

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LABORATORY CONTROL SAMPLE: T014600-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2,4-Dinitrotoluene	mg/L	0.0510	0.0358	70	39-105	
Pentachlorophenol	mg/L	0.103	0.0739	72	38-102	
2-Fluorophenol (S)	%	0.100	0.0448	45	20-53	
Phenol-d5 (S)	%	0.100	0.0263	26	11-40	
Nitrobenzene-d5 (S)	%	0.100	0.0807	81	36-103	
2-Fluorobiphenyl (S)	%	0.100	0.0690	69	36-119	
2,4,6-Tribromophenol (S)	%	0.100	0.0825	83	30-105	
Terphenyl-d14 (S)	%	0.100	0.0840	84	37-109	

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014620 QC Batch Method: EPA 3550B Ultrasonic Extraction Analysis Description: Semi-volatiles, TCL list

Analysis Method: EPA 8270C

METHOD BLANK: T014620-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Bis(2-chloroethyl)ether	mg/kg wet	<0.10	0.10	
2-Chlorophenol	mg/kg wet	<0.33	0.33	
Phenol	mg/kg wet	<0.33	0.33	
1,3-Dichlorobenzene	mg/kg wet	<0.33	0.33	
,4-Dichlorobenzene	mg/kg wet	<0.33	0.33	
,2-Dichlorobenzene	mg/kg wet	<0.33	0.33	
enzyl alcohol	mg/kg wet	<3.3	3.3	
is(2-chloroisopropyl)ether	mg/kg wet	<0.33	0.33	
-Methylphenol (o-Cresol)	mg/kg wet	<0.33	0.33	
,4-Methylphenol (m,p Cresol)	mg/kg wet	<0.33	0.33	
-Nitrosodi-n-propylamine	mg/kg wet	<0.33	0.33	
lexachloroethane	mg/kg wet	<0.30	0.30	
litrobenzene	mg/kg wet	<0.33	0.33	
sophorone	mg/kg wet	<0.33	0.33	
-Nitrophenol	mg/kg wet	<0.33	0.33	
,4-Dimethylphenol	mg/kg wet	< 0.33	0.33	
is(2-chloroethoxy)methane	mg/kg wet	<0.33	0.33	
enzoic acid	mg/kg wet	<3.3	3.3	
2,4-Trichlorobenzene	mg/kg wet	<0.33	0.33	
4-Dichlorophenol	mg/kg wet	<0.33	0.33	
aphthalene	mg/kg wet	<0.33	0.33	
-Chloroaniline	mg/kg wet	<0.33	0.33	
exachlorobutadiene	mg/kg wet	<0.050	0.050	
Chloro-3-methylphenol	mg/kg wet	<0.28	0.28	
-Methylnaphthalene	mg/kg wet	<0.33	0.33	
exachlorocyclopentadiene	mg/kg wet	< 0.33	0.33	

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METHOD BLANK: T014620-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
2,4,6-Trichlorophenol	mg/kg wet	<0.33	0.33	
2,4,5-Trichlorophenol	mg/kg wet	<0.33	0.33	
2-Chloronaphthalene	mg/kg wet	< 0.33	0.33	
2-Nitroaniline	mg/kg wet	<0.83	0.83	
Dimethyl phthalate	mg/kg wet	<0.33	0.33	
Acenaphthylene	mg/kg wet	< 0.33	0.33	
2,6-Dinitrotoluene	mg/kg wet	<0.33	0.33	
3-Nitroaniline	mg/kg wet	<0.83	0.83	
Acenaphthene	mg/kg wet	<0.33	0.33	
Dibenzofuran	mg/kg wet	<0.33	0.33	
2,4-Dinitrotoluene	mg/kg wet	<0.33	0.33	
4-Nitrophenol	mg/kg wet	<0.83	0.83	
2,4-Dinitrophenol	mg/kg wet	<0.83	0.83	
Diethyl phthalate	mg/kg wet	<0.33	0.33	
luorene	mg/kg wet	<0.33	0.33	
I-Chlorophenyl phenyl ether	mg/kg wet	<0.33	0.33	
-Nitroaniline	mg/kg wet	<0.83	0.83	
,6-Dinitro-2-methylphenol	mg/kg wet	<0.83	0.83	
I-Nitrosodiphenylamine	mg/kg wet	<0.33	0.33	
-Bromophenyl phenyl ether	mg/kg wet	< 0.33	0.33	
lexachlorobenzene	mg/kg wet	<0.33	0.33	
Pentachlorophenol	mg/kg wet	<0.80	0.80	
Phenanthrene	mg/kg wet	<0.33	0.33	
nthracene	mg/kg wet	<0.33	0.33	
Carbazole	mg/kg wet	<0.33	0.33	
i-n-butyl phthalate	mg/kg wet	<0.33	0.33	
luoranthene	mg/kg wet	<0.33	0.33	
yrene	mg/kg wet	<0.33	0.33	
utyl benzyl phthalate	mg/kg wet	<0.33	0.33	
enzo (a) anthracene	mg/kg wet	<0.33	0.33	
Chrysene	mg/kg wet	<0.33	0.33	
,3'-Dichlorobenzidine	mg/kg wet	<2.0	2.0	
is(2-ethylhexyl)phthalate	mg/kg wet	<0.33	0.33	
i-n-octyl phthalate	mg/kg wet	<0.33	0.33	
enzo (b) fluoranthene	mg/kg wet	<0.33	0.33	
enzo (k) fluoranthene	mg/kg wet	<0.33	0.33	
enzo (a) pyrene	mg/kg wet	<0.33	0.33	
ideno (1,2,3-cd) pyrene	mg/kg wet	<0.33	0.33	
ibenz (a,h) anthracene	mg/kg wet	<0.33	0.33	
enzo (g,h,i) perylene	mg/kg wet	<0.33	0.33	
-Fluorophenol (S)	mg/kg wet %	55	38-81	
henol-d5 (S)		58	32-102	
litrobenzene-d5 (S)	% %	60	36-98	
		57	36-96 44-105	
-Fluorobiphenyl (S) ,4,6-Tribromophenol (S)	% %	57 58	38-101	

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METHOD BLANK: T014620-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Terphenyl-d14 (S)	%	64	46-109	

LABORATORY CONTROL SAMPLE: T014620-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2-Chlorophenol	mg/kg wet	3.39	2.15	64	49-93	
Phenol	mg/kg wet	3.32	1.85	56	40-90	
1,4-Dichlorobenzene	mg/kg wet	1.74	1.11	63	37-106	
N-Nitrosodi-n-propylamine	mg/kg wet	1.49	1.07	72	51-106	
1,2,4-Trichlorobenzene	mg/kg wet	1.81	1.21	67	49-100	
4-Chloro-3-methylphenol	mg/kg wet	3.46	2.45	71	50-96	
Acenaphthene	mg/kg wet	1.74	1.14	65	52-105	
2,4-Dinitrotoluene	mg/kg wet	1.69	1.13	67	51-108	
4-Nitrophenol	mg/kg wet	3.32	2.00	60	22-112	
Pentachlorophenol	mg/kg wet	3.42	2.44	71	⁻ 30-111	
Pyrene	mg/kg wet	1.75	1.32	76	47-114	
2-Fluorophenol (S)	%	3.32	2.08	63	38-81	
Phenol-d5 (S)	%	3.32	2.22	67	32-102	
Nitrobenzene-d5 (S)	%	3.32	2.19	66	36-98	
2-Fluorobiphenyl (S)	%	3.32	2.27	68	44-105	
2,4,6-Tribromophenol (S)	%	3.32	2.53	76	38-101	
Terphenyl-d14 (S)	%	3.32	2.84	86	46-109	

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014694

QC Batch Method: EPA 5035 Purge-and-Trap for Solids and

Analysis Description: Volatiles, Full MDEQ+ List

Analysis Method: EPA 8260B

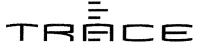
METHOD BLANK: T014694-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Dichlorodifluoromethane	mg/kg wet	<0.050	0.050	
Chloromethane	mg/kg wet	<0.050	0.050	
Vinyl chloride	mg/kg wet	<0.040	0.040	
Bromomethane	mg/kg wet	<0.050	0.050	
Chloroethane	mg/kg wet	< 0.050	0.050	
Trichlorofluoromethane	mg/kg wet	< 0.050	0.050	
Diethyl ether	mg/kg wet	<0.20	0.20	
Fert-butyl alcohol	mg/kg wet	<2.5	2.5	
1,1-Dichloroethene	mg/kg wet	<0.050	0.050	
Acetone	mg/kg wet	<0.75	0.75	

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Report ID: T10A215 FINAL 02 04 10 1143



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METHOD BLANK: T014694-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
lodomethane	mg/kg wet	<0.050	0.050	
Carbon disulfide	mg/kg wet	<0.25	0.25	
Methyl-tert-butyl ether	mg/kg wet	<0.25	0.25	
Methylene chloride	mg/kg wet	<0.10	0.10	
Acrylonitrile	mg/kg wet	<0.10	0.10	
rans-1,2-Dichloroethene	mg/kg wet	< 0.050	0.050	
1,1-Dichloroethane	mg/kg wet	<0.050	0.050	
Diisopropyl Ether	mg/kg wet	<0.25	0.25	
2-Butanone	mg/kg wet	<0.75	0.75	
cis-1,2-Dichloroethene	mg/kg wet	< 0.050	0.050	
-Butyl Ethyl Ether	mg/kg wet	<0.25	0.25	
Bromochloromethane	mg/kg wet	< 0.050	0.050	
Tetrahydrofuran	mg/kg wet	<1.0	1.0	
Chloroform	mg/kg wet	<0.050	0.050	
I,1,1-Trichloroethane	mg/kg wet	<0.050	0.050	
Carbon tetrachloride	mg/kg wet	< 0.050	0.050	
Benzene	mg/kg wet	< 0.050	0.050	
-Amyl Methyl Ether	mg/kg wet	<0.25	0.25	
,2-Dichloroethane	mg/kg wet	<0.050	0.050	
Cyclohexane	mg/kg wet	<0.25	0.25	
richloroethene	mg/kg wet	<0.050	0.050	
,2-Dichloropropane	mg/kg wet	<0.050	0.050	
Dibromomethane	mg/kg wet	<0.050	0.050	
Bromodichloromethane	mg/kg wet	<0.050	0.050	
is-1,3-Dichloropropene	mg/kg wet	<0.050	0.050	
-Methyl-2-pentanone	mg/kg wet	<2.5	2.5	
oluene	mg/kg wet	<0.050	0.050	
ans-1,3-Dichloropropene	mg/kg wet	<0.050	0.050	
,1,2-Trichloroethane	mg/kg wet	<0.050	0.050	
etrachloroethene	mg/kg wet	<0.050	0.050	
-Hexanone	mg/kg wet	<2.5	2.5	
bibromochloromethane	mg/kg wet	<0.050	0.050	
,2-Dibromoethane (EDB)	mg/kg wet	<0.050	0.050	
hlorobenzene	mg/kg wet	<0.050	0.050	
,1,1,2-Tetrachloroethane	mg/kg wet	<0.050	0.050	
thylbenzene	mg/kg wet	<0.050	0.050	
n,p-Xylene	mg/kg wet	<0.10	0.10	
-Xylene	mg/kg wet	<0.050	0.050	
ylenes, total	mg/kg wet	<0.15	0.15	
tyrene	mg/kg wet	<0.050	0.050	
romoform	mg/kg wet	<0.050	0.050	
opropylbenzene	• •	<0.050	0.050	
,1,2,2-Tetrachloroethane	mg/kg wet	<0.050	0.050	
	mg/kg wet	<0.050		
,2,3-Trichloropropane	mg/kg wet		0.050	
ans-1,4-Dichloro-2-butene	mg/kg wet	<0.050	0.050	

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METHOD BLANK: T014694-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Bromobenzene	mg/kg wet	<0.050	0.050	
n-Propylbenzene	mg/kg wet	<0.050	0.050	
1,3,5-Trimethylbenzene	mg/kg wet	<0.050	0.050	
t-Butyl Benzene	mg/kg wet	<0.050	0.050	
1,2,4-Trimethylbenzene	mg/kg wet	<0.050	0.050	
sec-Butylbenzene	mg/kg wet	<0.050	0.050	
p-Isopropyltoluene	mg/kg wet	<0.050	0.050	
1,3-Dichlorobenzene	mg/kg wet	<0.050	0.050	
1,4-Dichlorobenzene	mg/kg wet	<0.050	0.050	
n-Butylbenzene	mg/kg wet	<0.050	0.050	
1,2,3-Trimethylbenzene	mg/kg wet	< 0.050	0.050	
1,2-Dichlorobenzene	mg/kg wet	<0.050	0.050	
1,2-Dibromo-3-chloropropane	mg/kg wet	<0.10	0.10	
Hexachloroethane	mg/kg wet	<0.050	0.050	
1,2,4-Trichlorobenzene	mg/kg wet	<0.050	0.050	
Naphthalene	mg/kg wet	<0.25	0.25	
1,2,3-Trichlorobenzene	mg/kg wet	<0.050	0.050	
2-Methylnaphthalene	mg/kg wet	<0.25	0.25	
1,2-Dichloroethane-d4 (S)	%	99	70-133	
Toluene-d8 (S)	%	105	76-125	
4-Bromofluorobenzene (S)	%	101	71-123	
1,2-Dichlorobenzene-d4 (S)	%	91	72-123	

LABORATORY CONTROL SAMPLE: T014694-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,1-Dichloroethene	mg/kg wet	1.00	0.926	93	64-156	-
Benzene	mg/kg wet	1.00	0.952	95	80-120	
Trichloroethene	mg/kg wet	1.00	0.968	97	69-133	
Toluene	mg/kg wet	1.00	0.961	96	80-120	
Chlorobenzene	mg/kg wet	1.00	0.947	95	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	44.6	99	70-133	
Toluene-d8 (S)	%	45.0	47.1	105	76-125	
4-Bromofluorobenzene (S)	%	45.0	46.3	103	71-123	
1,2-Dichlorobenzene-d4 (S)	%	45.0	43.4	97	72-123	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014694-MSD1

Original: I	10A215-01RE2
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Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
1,1-Dichloroethene	mg/kg dry	0	12700	13400	12600	105	99	60-146	6	15	
Benzene	mg/kg dry	5.15	12700	13300	12800	105	101	78-114	4	11	
Trichloroethene	mg/kg dry	23.1	12700	13700	13300	108	104	70-117	3	14	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014694-MSD1

Original:	T10A	215	04052
Unamar	THUA	\Z'I:D-	UIRCZ

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Toluene	mg/kg dry	41100	12700	62900	60000	172	149	77-118	14	10	222.5
Chlorobenzene	mg/kg dry	15.8	12700	13300	12800	105	101	75-116	4	12	
1,2-Dichloroethane-d4 (S)	%		45.0	44.7	44.9	99	100	70-133			
Toluene-d8 (S)	%		45.0	47.2	46.6	105	104	76-125			
4-Bromofluorobenzene (S)	%		45.0	46.4	46.2	103	103	71-123			
1,2-Dichlorobenzene-d4 (S)	%		45.0	44.4	43.7	99	97	72-123			

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014717

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous

Analysis Description: TCLP Volatiles

Analysis Method: EPA 8260B

METHOD BLANK: T014717-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Vinyl chloride	mg/L	<0.0010	0.0010	
1,1-Dichloroethene	mg/L	<0.0010	0.0010	
2-Butanone	mg/L	<0.0050	0.0050	
Chloroform	mg/L	<0.0010	0.0010	
Carbon tetrachloride	mg/L	<0.0010	0.0010	
Benzene	mg/L	<0.0010	0.0010	
1,2-Dichloroethane	mg/L	<0.0010	0.0010	
Trichloroethene	mg/L	<0.0010	0.0010	
Tetrachloroethene	mg/L	<0.0010	0.0010	
Chlorobenzene	mg/L	<0.0010	0.0010	
1,4-Dichlorobenzene	mg/L	<0.0010	0.0010	
1,2-Dichloroethane-d4 (S)	%	102	70-133	
Toluene-d8 (S)	%	105	76-125	
4-Bromofluorobenzene (S)	%	97	72-123	
1,2-Dichlorobenzene-d4 (S)	%	90	71-123	

LABORATORY CONTROL SAMPLE: T014717-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Vinyl chloride	mg/L	0.0200	0.0187	94	47-184	
1,1-Dichloroethene	mg/L	0.0200	0.0187	93	64-156	
2-Butanone	mg/L	0.0200	0.0170	85	70-130	
Chloroform	mg/L	0.0200	0.0195	97	80-120	
Carbon tetrachloride	mg/L	0.0200	0.0181	90	79-141	
Benzene	mg/L	0.0200	0.0193	97	80-120	
1,2-Dichloroethane	mg/L	0.0200	0.0205	103	80-120	
Trichloroethene	mg/L	0.0200	0.0194	97	69-133	
Tetrachloroethene	mg/L	0.0200	0.0175	87	70-120	

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Report ID: T10A215 FINAL 02 04 10 1143



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LABORATORY CONTROL SAMPLE: T014717-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Chlorobenzene	mg/L	0.0200	0.0181	91	80-120	
1,4-Dichlorobenzene	mg/L	0.0200	0.0180	90	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	45.8	102	70-133	
Toluene-d8 (S)	%	45.0	44.9	100	76-125	
4-Bromofluorobenzene (S)	%	45.0	44.7	99	72-123	
1,2-Dichlorobenzene-d4 (S)	%	45.0	42.8	95	71-123	

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014606 Analysis Description: Solids, Dry Weight
QC Batch Method: % Solids Analysis Method: % Calculation

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014644 Analysis Description: Flash Point (Ignitability)
QC Batch Method: EPA 1010 Analysis Method: EPA 1010

LABORATORY CONTROL SAMPLE: T014644-BS1

Parameter Spike LCS LCS % Rec Notes

SAMPLE DUPLICATE: T014644-DUP1 Original: T10A215-01

Parameter	Units	Original Result	DUP Result	Max RPD RPD Notes
Flashpoint	°F	190	180	5 200

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014612 Analysis Description: Corrosivity (pH for waste), 9040/9045
QC Batch Method: EPA 9040C Analysis Method: EPA 9040C

SAMPLE DUPLICATE: T014612-DUP1 Original: T10A215-01

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Corrosivity-pH	pH Units	6.07	6.17	 2	200	

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014618 Analysis Description: Reactivity - Cyanide
QC Batch Method: EPA Chapter 7.3 Analysis Method: EPA Chapter 7.3

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METHOD BLANK: T014618-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Cyanide, Reactive	mg/kg wet	<0.50	0.50	

LABORATORY CONTROL SAMPLE: T014618-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Cyanide, Reactive	mg/kg wet	10.0	9.08	91	79-116	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014618-MSD1

~ ·		T40	404	4
Orio	unal:	110	A21	5-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Cyanide, Reactive	mg/kg dry	0	10.1	9.29	10.2	92	101	64-129	9	14	

Trace Project ID: T10A215

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014619 QC Batch Method: EPA Chapter 7.3 Analysis Description: Reactivity - Sulfide Analysis Method: EPA Chapter 7.3

METHOD BLANK: T014619-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Sulfide, Reactive	mg/kg wet	<5.0	5.0	

LABORATORY CONTROL SAMPLE: T014619-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Sulfide, Reactive	mg/kg wet	25.0	25.3	101	74-126	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014619-MSD1

Origina	ıl:	T10	0Α	21	5-0	1
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Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Sulfide, Reactive	mg/kg dry	1.94	25.3	4.25	51.6	9	197	52-115	182	27	229

TRACE ID NO.

	1					
ſ				phone	231.773.5998	Trace Analytical Labor
1				toll from	8002 222 8008	2241 Black Creek Road
	_			3316.1101	2666133133	
				fax	231,773,6537	Muskegon, MI 49444-4
		,	;	•		info@trace-labs.com
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o: Report Results To:	Client Na Contact Mailing A City, Sta Phone: Email Ad Project i	Address: Zo te, Zip Code: [of compliance I Luc NUIFEE STAND S-SU NUIFEE R. UO MULI rent)	BE RA	PUERU LICIUE LICIUE DEPLICA I REMA	Fax: 6. PO #: EDÍATION	8 2241 B 7 Muske www.t	E UOZ	49444·26 s.com		SO NO SO	Rece	ed By	ents	Turn Star * 5 l * 2- * 24 * Re	No MeOH	Requir wk) RUSH) RUSH) prior ap	Pres	Low I	e Checke Level L Level L Level L Level L Soil /= Water I = Oil O = Solid	ab	No N. VI = Wipes W = Liquid V A = Air D = Drinking SL = Sludge	Naste Water
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CHAIN-OF-CUSTODY RECORD

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SAMPLE LOG IN CHECKLIST

Date: 1-28-70 Client Name: 6	# of Coolers:/
Trace ID #: T/GA215 Project Name:	Cooler #s:
Logged in by	Cooler #s:
	ler Receipt
Trace courie	
Cooler/samples delivered by: Hand delivere	,
Commercial couries	
_	Not Applicable S Way Bill or Tracking #:
COC Seals present and intact on cooler? No Yes	Not Applicable
Custody seals signed by Client? No	Client custody seal # (if applicable):
Yes Yes	Cheft custody seal # (il applicable).
	nd Temperature Cooler Temperature Correction Factor - 0.2°C
Type of Coolant Used	
Slurry w/ crushed, cubed, or chip ice?	Date:/ <u>-28-/0</u> Time: <u>/0.28</u> Temperature Blank: *C
Multiple bags of ice around samples?	Range of 3 samples: 5 °C
Ice Packs/ Blue Ice :	
No Coolant Present:	Ice still present upon receipt: Yes No
G	ieneral
	Yes No NA
COC taped to inside o	
All bottles arrived unbroken with labels in good	March 14 and a state of the Control
	plastic bag?
Labels filled out of All bottle labels agree with Chain of Custo	-1
Sufficient sample to run tests	
pH checked and samples at o	norront nU2
Correct preservative added to	o compleas
DRO/GRO samples received and appropriate check in form of	1993/9 Office and the first control of the first co
Air bubbles absent fr	Particle days that the highly approximate the production of the second devices and the second device and the s
COC filled out properly and signer	d by client?
COC signed in by TRACE sample	
Was project manager called and samples of	
Contact:	Date:
Notes:	

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April 08, 2010

Ms. Jennifer Overvoorde RMT, Inc. 2025 E. Beltline Ave. SE Suite 402 Grand Rapids, MI 49546

Phone: (616) 975-5415 Fax: (616) 975-1098

RE: Trace Project T10C335

Client Project LEC MW19HS1 Remediation / 6527.44

Dear Ms. Overvoorde:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink Project Manager

Enclosures





phonefax

phone 231.773.5998 toll-free 800.733.5998 231.773.6537

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SAMPLE SUMMARY

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T10C335-01	SS-Topsoil - 1	Soil	sp	03/30/10 15:00	03/31/10 10:35
T10C335-02	SS-Topsoil -2	Soil	sp	03/30/10 15:15	03/31/10 10:35
T10C335-03	Trip Blank	Water	sp	02/02/10	03/31/10 10:35



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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate
RPD Relative Percent Difference

DUP Matrix Duplicate

RDL Reporting Detection Limit
MCL Maximum Contamination Limit
TIC Tentatively Identified Compound

<, ND or U Indicates the compound was analyzed for but not detected

* Indicates a result that exceeds its associated MCL or Surrogate control limits

N Indicates that the compound has not been evaluated by NELAC

NA Indicates that the compound is not available.

DATA QUALIFIERS

Trace ID: T015623-MSD1 Analysis: EPA 8270C	
4-Nitrophenol	Note 219: Matrix QC results are unavailable for this sample and QC batch, as a dilution of the sample was required due to matrix interference.
Trace ID: T015654-MS1	
Analysis: EPA 6010B	
Barium	Note 211: The MS and MSD recoveries were out of control high. The result for this analyte, in non-spiked version of the sample, must be considered estimated.
Analysis: EPA 6020	
Arsenic	Note 212: The MS and MSD recoveries were out of control low. The RPD between the MS and MSD was also out of control. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Selenium	Note 205: The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Analysis: EPA 7471A	
Mercury	Note 222: The MS and MSD recoveries were out of control. Because the sample background concentration of this analyte is greater than four times the spike amount, no data require qualification.
Trace ID: T015654-MSD1 Analysis: EPA 6010B	
Barium	Note 211: The MS and MSD recoveries were out of control high. The result for this analyte, in non-spiked version of the sample, must be considered estimated.
Zinc	Note 207: The RPD between the MS and the MSD was out of control. Because both spike recoveries were in control, no data require qualification.

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Arsenic	Note 212: The MS and MSD recoveries were out of control low. The RPD between the MS and MSD was also out of control. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Selenium	Note 205: The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Analysis: EPA 7471A	
Mercury	Note 222: The MS and MSD recoveries were out of control. Because the sample background concentration of this analyte is greater than four times the spike amount, no data require qualification.
Trace ID: T015663-MS1	
Analysis: EPA 6020 Silver	Note 205: The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Trace ID: T015663-MSD1 Analysis: EPA 6020	
Silver	Note 205: The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Trace ID: T10C335-01 Analysis: EPA 8082	
Decachlorobiphenyl	Note 304: The primary surrogate (decachlorobiphenyl) recovery for this sample fell outside the laboratory established control limits. The secondary surrogate (tetrachloro-m-xylene) recovery was in control. No data require qualification.
Trace ID: T10C335-02	
Analysis: EPA 6010B Barium	Note 211: The MS and MSD recoveries were out of control high. The result for this analyte, in non-spiked version of the sample, must be considered estimated.
Analysis: EPA 6020	analyte, in non-opined version of the earnple, must be considered commuted.
Arsenic	Note 212: The MS and MSD recoveries were out of control low. The RPD between the MS and MSD was also out of control. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Selenium	Note 205: The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Silver	Note 205: The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.

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ANALYTICAL RESULTS

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

Trace ID: T10C335-01 Date Collected: 03/30/10 15:00 Matrix: Soil

Sample ID: SS-Topsoil - 1 Date Received: 03/31/10 10:35

PARAMETERS RESULTS UNITS RDL DILUTION PREPARED BY ANALYZED BY NOTES MCL

VOLATILE ORGANIC COMPOUNDS BY GC-MS

Analysis Method: EPA 8260B	BT GC-WG							
Batch: T015675								
Chloromethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Bromomethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Chloroethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
1,1-Dichloroethene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Acetone	<0.050 mg/kg dry	0.050	1	04/05/10	jp	04/05/10	jp	
Carbon disulfide	<0.025 mg/kg dry	0.025	1	04/05/10	jp	04/05/10	jp	
Methylene chloride	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
trans-1,2-Dichloroethene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
1,1-Dichloroethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
2-Butanone	<0.050 mg/kg dry	0.050	1	04/05/10	jp	04/05/10	jp	
cis-1,2-Dichloroethene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Chloroform	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
1,1,1-Trichloroethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Carbon tetrachloride	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Benzene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
1,2-Dichloroethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
1,2-Dichloropropane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Bromodichloromethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
cis-1,3-Dichloropropene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
4-Methyl-2-pentanone	<0.050 mg/kg dry	0.050	1	04/05/10	jp	04/05/10	jp	
Toluene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
1,1,2-Trichloroethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Tetrachloroethene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
2-Hexanone	<0.050 mg/kg dry	0.050	1	04/05/10	jp	04/05/10	jp	
Dibromochloromethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Chlorobenzene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Ethylbenzene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
m,p-Xylene	<0.020 mg/kg dry	0.020	1	04/05/10	jp	04/05/10	jp	N
o-Xylene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	N
Xylenes, total	<0.030 mg/kg dry	0.030	1	04/05/10	jp	04/05/10	jp	N
Styrene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Bromoform	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
1,1,2,2-Tetrachloroethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Surrogates: 1,2-Dichloroethane-d4	94 %	71-131	1	04/05/10	jp	04/05/10	jp	

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ANALYTICAL RESULTS

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 R	emediation / 6527.44								
Trace ID: T10C335-01 Sample ID: SS-Topsoil - 1			Collected:	03/30/10 15:0 03/31/10 10:3		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
VOLATILE ORGANIC COMPOUND	S BY GC-MS								
Toluene-d8	101 %	70-130	1	04/05/10	jp	04/05/10	jp		
4-Bromofluorobenzene	107 %	65-122	1	04/05/10	jp	04/05/10	jp		
1,2-Dichlorobenzene-d4	93 %	54-134	1	04/05/10	jp	04/05/10	jp		
SEMI-VOLATILE ORGANIC COMP	OUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T015623									
Bis(2-chloroethyl)ether	<0.21 mg/kg dry	0.21	5	04/01/10	kb	04/05/10	avl		
2-Chlorophenol	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Phenol	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
1,3-Dichlorobenzene	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
1,4-Dichlorobenzene	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
1,2-Dichlorobenzene	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Benzyl alcohol	<4.1 mg/kg dry	4.1	5	04/01/10	kb	04/05/10	avl		
Bis(2-chloroisopropyl)ether	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
2-Methylphenol (o-Cresol)	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
3,4-Methylphenol (m,p Cresol)	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
N-Nitrosodi-n-propylamine	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Hexachloroethane	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Nitrobenzene	<0.21 mg/kg dry	0.21	5	04/01/10	kb	04/05/10	avl		
Isophorone	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
2-Nitrophenol	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
2,4-Dimethylphenol	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Bis(2-chloroethoxy)methane	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Benzoic acid	<7.5 mg/kg dry	7.5	5	04/01/10	kb	04/05/10	avl		
1,2,4-Trichlorobenzene	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
2,4-Dichlorophenol	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Naphthalene	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
4-Chloroaniline	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Hexachlorobutadiene	<0.21 mg/kg dry	0.21	5	04/01/10	kb	04/05/10	avl		
4-Chloro-3-methylphenol	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
2-Methylnaphthalene	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Hexachlorocyclopentadiene	<1.1 mg/kg dry	1.1	5	04/01/10	kb	04/05/10	avl		
2,4,6-Trichlorophenol	<0.21 mg/kg dry	0.21	5	04/01/10	kb	04/05/10	avl		
2,4,5-Trichlorophenol	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		

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<0.52 mg/kg dry

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0.52

5

04/01/10

kb

04/05/10

avl

2-Chloronaphthalene



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ANALYTICAL RESULTS

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

Trace ID: T10C335-01 Date Collected: 03/30/10 15:00 Matrix: Soil

Sample ID: SS-Topsoil - 1		Date	Received:	03/31/10 10:3	5				
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
SEMI-VOLATILE ORGANIC COMPO	UNDS BY GC-MS								
2-Nitroaniline	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Dimethyl phthalate	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Acenaphthylene	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
2,6-Dinitrotoluene	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
3-Nitroaniline	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Acenaphthene	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Dibenzofuran	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
2,4-Dinitrotoluene	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
4-Nitrophenol	<4.2 mg/kg dry	4.2	5	04/01/10	kb	04/05/10	avl		
2,4-Dinitrophenol	<4.2 mg/kg dry	4.2	5	04/01/10	kb	04/05/10	avl		
Diethyl phthalate	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Fluorene	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
4-Chlorophenyl phenyl ether	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
4-Nitroaniline	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
4,6-Dinitro-2-methylphenol	<1.1 mg/kg dry	1.1	5	04/01/10	kb	04/05/10	avl		
N-Nitrosodiphenylamine	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
4-Bromophenyl phenyl ether	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Hexachlorobenzene	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Pentachlorophenol	<2.2 mg/kg dry	2.2	5	04/01/10	kb	04/05/10	avl		
Phenanthrene	0.66 mg/kg dry	0.21	5	04/01/10	kb	04/05/10	avl		
Anthracene	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Carbazole	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Di-n-butyl phthalate	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Fluoranthene	0.86 mg/kg dry	0.21	5	04/01/10	kb	04/05/10	avl		
Pyrene	0.96 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Butyl benzyl phthalate	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Benzo (a) anthracene	0.50 mg/kg dry	0.21	5	04/01/10	kb	04/05/10	avl		
Chrysene	0.48 mg/kg dry	0.21	5	04/01/10	kb	04/05/10	avl		
3,3'-Dichlorobenzidine	<4.1 mg/kg dry	4.1	5	04/01/10	kb	04/05/10	avl	N	
Bis(2-ethylhexyl)phthalate	14 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Di-n-octyl phthalate	<0.52 mg/kg dry	0.52	5	04/01/10	kb	04/05/10	avl		
Benzo (b) fluoranthene	0.46 mg/kg dry	0.21	5	04/01/10	kb	04/05/10	avl		
Benzo (k) fluoranthene	<0.21 mg/kg dry	0.21	5	04/01/10	kb	04/05/10	avl		
Benzo (a) pyrene	0.40 mg/kg dry	0.21	5	04/01/10	kb	04/05/10	avl		
Indeno (1,2,3-cd) pyrene	0.21 mg/kg dry	0.21	5	04/01/10	kb	04/05/10	avl		
Dibenz (a,h) anthracene	<0.21 mg/kg dry	0.21	5	04/01/10	kb	04/05/10	avl		
Benzo (g,h,i) perylene	0.26 mg/kg dry	0.21	5	04/01/10	kb	04/05/10	avl		

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ANALYTICAL RESULTS

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

Trace ID: T10C335-01 Sample ID: SS-Topsoil - 1			Collected: Received:	03/30/10 15:0 03/31/10 10:3		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
SEMI-VOLATILE ORGANIC	COMPOUNDS BY GC-MS								
Surrogates:									
2-Fluorophenol	60 %	38-81	5	04/01/10	kb	04/05/10	avl		
Phenol-d5	61 %	32-102	5	04/01/10	kb	04/05/10	avl		
Nitrobenzene-d5	63 %	36-98	5	04/01/10	kb	04/05/10	avl		
2-Fluorobiphenyl	75 %	44-105	5	04/01/10	kb	04/05/10	avl		
2,4,6-Tribromophenol	63 %	38-101	5	04/01/10	kb	04/05/10	avl		
Terphenyl-d14	84 %	46-109	5	04/01/10	kb	04/05/10	avl		
PESTICIDES/PCBS									
Analysis Method: EPA 8082									
Batch: T015612									
Aroclor-1016	<0.17 mg/kg dry	0.17	1	03/31/10	kb	04/06/10	jp		
Aroclor-1221	<0.17 mg/kg dry	0.17	1	03/31/10	kb	04/06/10	jp		
Aroclor-1232	<0.17 mg/kg dry	0.17	1	03/31/10	kb	04/06/10	jp		
Aroclor-1242	<0.17 mg/kg dry	0.17	1	03/31/10	kb	04/06/10	jp		
Aroclor-1248	<0.17 mg/kg dry	0.17	1	03/31/10	kb	04/06/10	jp		
Aroclor-1254	<0.17 mg/kg dry	0.17	1	03/31/10	kb	04/06/10	jp		
Aroclor-1260	<0.17 mg/kg dry	0.17	1	03/31/10	kb	04/06/10	jp		
Surrogates:									
Tetrachloro-m-xylene	47 %	40-113	1	03/31/10	kb	04/06/10	jp	N	
Decachlorobiphenyl	* 23 %	32-111	1	03/31/10	kb	04/06/10	jp	304, N	
METALS, TOTAL									
Analysis Method: EPA 6010B									
Batch: T015654									
Barium	44 mg/kg dry	0.06	1	04/05/10	jd	04/07/10	jlm		
Cadmium	2.2 mg/kg dry	0.96	1	04/05/10	ja jd	04/07/10	jlm		
Chromium	15 mg/kg dry	0.19 0.96	1	04/05/10	ju jd	04/07/10	jlm		
Copper	35 mg/kg dry	0.96	1	04/05/10	jd jd	04/07/10	jlm		
Lead	61 mg/kg dry	0.96	1	04/05/10	ju jd	04/07/10	jlm		
Nickel	12 mg/kg dry	0.96	1	04/05/10	jd jd	04/07/10	jlm		
Zinc	140 mg/kg dry	0.96	1	04/05/10	jd	04/07/10	jlm		
Analysis Method: EPA 6020									
Batch: T015654									
Arsenic	3.9 mg/kg dry	0.11	10	04/05/10	jd	04/05/10	jn		

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ANALYTICAL RESULTS

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

Trace ID: T10C335-01 Date Collected: 03/30/10 15:00 Matrix: Soil Sample ID: SS-Topsoil - 1 Date Received: 03/31/10 10:35 **RESULTS UNITS PARAMETERS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **METALS, TOTAL** Selenium 0.48 mg/kg dry 0.38 10 04/05/10 jd 04/05/10 jn Silver <0.096 mg/kg dry 10 04/05/10 jd 04/06/10 jn 0.096 Analysis Method: EPA 7471A Batch: T015654 3.7 mg/kg dry 10 04/05/10 04/05/10 Mercury jd jlm 0.29

WET CHEMISTRY

Analysis Method: % Calculation

Batch: T015651

% Solids 80 % by Wt. 0,10 1 04/02/10 da 04/05/10 da N



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ANALYTICAL RESULTS

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

Trace ID: T10C335-02 Date Collected: 03/30/10 15:15 Matrix: Soil

Sample ID: SS-Topsoil -2 Date Received: 03/31/10 10:35

PARAMETERS RESULTS UNITS RDL DILUTION PREPARED BY ANALYZED BY NOTES MCL

VOLATILE ORGANIC COMPOUNDS BY GC-MS

Analysis M	ethod: EPA 8260B
Batch:	T015675

Baton. 1010010								
Chloromethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Bromomethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Chloroethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
1,1-Dichloroethene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Acetone	<0.050 mg/kg dry	0.050	1	04/05/10	jp	04/05/10	jp	
Carbon disulfide	<0.025 mg/kg dry	0.025	1	04/05/10	jp	04/05/10	jp	
Methylene chloride	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
trans-1,2-Dichloroethene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
1,1-Dichloroethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
2-Butanone	<0.050 mg/kg dry	0.050	1	04/05/10	jp	04/05/10	jp	
cis-1,2-Dichloroethene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Chloroform	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
1,1,1-Trichloroethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Carbon tetrachloride	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Benzene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
1,2-Dichloroethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
1,2-Dichloropropane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Bromodichloromethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
cis-1,3-Dichloropropene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
4-Methyl-2-pentanone	<0.050 mg/kg dry	0.050	1	04/05/10	jp	04/05/10	jp	
Toluene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
1,1,2-Trichloroethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Tetrachloroethene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
2-Hexanone	<0.050 mg/kg dry	0.050	1	04/05/10	jp	04/05/10	jp	
Dibromochloromethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Chlorobenzene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Ethylbenzene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
m,p-Xylene	<0.020 mg/kg dry	0.020	1	04/05/10	jp	04/05/10	jp	N
o-Xylene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	N
Xylenes, total	<0.030 mg/kg dry	0.030	1	04/05/10	jp	04/05/10	jp	N
Styrene	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Bromoform	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
1,1,2,2-Tetrachloroethane	<0.010 mg/kg dry	0.010	1	04/05/10	jp	04/05/10	jp	
Surrogates:								
1,2-Dichloroethane-d4	91 %	71-131	1	04/05/10	jp	04/05/10	jp	

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ANALYTICAL RESULTS

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

Trace ID: T10C335-02 Sample ID: SS-Topsoil -2			Collected: Received:	03/30/10 15:1 03/31/10 10:3		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS	BY GC-MS								
Toluene-d8	102 %	70-130	1	04/05/10	jp	04/05/10	jp		
4-Bromofluorobenzene	104 %	65-122	1	04/05/10	jp	04/05/10	jp		
1,2-Dichlorobenzene-d4	93 %	54-134	1	04/05/10	jp	04/05/10	jp		
SEMI-VOLATILE ORGANIC COMPO	UNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T015623									
Bis(2-chloroethyl)ether	<0.077 mg/kg dry	0.077	2	04/01/10	kb	04/06/10	avl		
2-Chlorophenol	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Phenol	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
1,3-Dichlorobenzene	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
1,4-Dichlorobenzene	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
1,2-Dichlorobenzene	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Benzyl alcohol	<1.5 mg/kg dry	1.5	2	04/01/10	kb	04/06/10	avl		
Bis(2-chloroisopropyl)ether	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
2-Methylphenol (o-Cresol)	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
3,4-Methylphenol (m,p Cresol)	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
N-Nitrosodi-n-propylamine	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Hexachloroethane	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Nitrobenzene	<0.077 mg/kg dry	0.077	2	04/01/10	kb	04/06/10	avl		
Isophorone	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
2-Nitrophenol	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
2,4-Dimethylphenol	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Bis(2-chloroethoxy)methane	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Benzoic acid	<2.8 mg/kg dry	2.8	2	04/01/10	kb	04/06/10	avl		
1,2,4-Trichlorobenzene	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
2,4-Dichlorophenol	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Naphthalene	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
4-Chloroaniline	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Hexachlorobutadiene	<0.077 mg/kg dry	0.077	2	04/01/10	kb	04/06/10	avl		
4-Chloro-3-methylphenol	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
2-Methylnaphthalene	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Hexachlorocyclopentadiene	<0.40 mg/kg dry	0.40	2	04/01/10	kb	04/06/10	avl		
2,4,6-Trichlorophenol	<0.077 mg/kg dry	0.077	2	04/01/10	kb	04/06/10	avl		
2,4,5-Trichlorophenol	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		

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<0.19 mg/kg dry

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0.19

2

04/01/10

kb

04/06/10

avl

2-Chloronaphthalene



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ANALYTICAL RESULTS

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

Trace ID: T10C335-02 Date Collected: 03/30/10 15:15 Matrix: Soil

Sample ID: SS-Topsoil -2		Date	Received:	03/31/10 10:3	5				
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
SEMI-VOLATILE ORGANIC COMPO	UNDS BY GC-MS								
2-Nitroaniline	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Dimethyl phthalate	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Acenaphthylene	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
2,6-Dinitrotoluene	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
3-Nitroaniline	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Acenaphthene	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Dibenzofuran	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
2,4-Dinitrotoluene	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
4-Nitrophenol	<1.6 mg/kg dry	1.6	2	04/01/10	kb	04/06/10	avl		
2,4-Dinitrophenol	<1.6 mg/kg dry	1.6	2	04/01/10	kb	04/06/10	avl		
Diethyl phthalate	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Fluorene	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
4-Chlorophenyl phenyl ether	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
4-Nitroaniline	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
4,6-Dinitro-2-methylphenol	<0.40 mg/kg dry	0.40	2	04/01/10	kb	04/06/10	avl		
N-Nitrosodiphenylamine	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
4-Bromophenyl phenyl ether	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Hexachlorobenzene	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Pentachlorophenol	<0.84 mg/kg dry	0.84	2	04/01/10	kb	04/06/10	avl		
Phenanthrene	0.40 mg/kg dry	0.077	2	04/01/10	kb	04/06/10	avl		
Anthracene	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Carbazole	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Di-n-butyl phthalate	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Fluoranthene	0.44 mg/kg dry	0.077	2	04/01/10	kb	04/06/10	avl		
Pyrene	0.39 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Butyl benzyl phthalate	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Benzo (a) anthracene	0.19 mg/kg dry	0.077	2	04/01/10	kb	04/06/10	avl		
Chrysene	0.19 mg/kg dry	0.077	2	04/01/10	kb	04/06/10	avl		
3,3'-Dichlorobenzidine	<1.5 mg/kg dry	1.5	2	04/01/10	kb	04/06/10	avl	N	
Bis(2-ethylhexyl)phthalate	4.8 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Di-n-octyl phthalate	<0.19 mg/kg dry	0.19	2	04/01/10	kb	04/06/10	avl		
Benzo (b) fluoranthene	0.21 mg/kg dry	0.077	2	04/01/10	kb	04/06/10	avl		
Benzo (k) fluoranthene	0.082 mg/kg dry	0.077	2	04/01/10	kb	04/06/10	avl		
Benzo (a) pyrene	0.16 mg/kg dry	0.077	2	04/01/10	kb	04/06/10	avl		
Indeno (1,2,3-cd) pyrene	<0.077 mg/kg dry	0.077	2	04/01/10	kb	04/06/10	avl		
Dibenz (a,h) anthracene	<0.077 mg/kg dry	0.077	2	04/01/10	kb	04/06/10	avl		
Benzo (g,h,i) perylene	<0.077 mg/kg dry	0.077	2	04/01/10	kb	04/06/10	avl		

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ANALYTICAL RESULTS

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

Trace ID: T10C335-0. Sample ID: SS-Topsoil	2		Collected: Received:	03/30/10 15:1 03/31/10 10:3		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
SEMI-VOLATILE ORGA	IC COMPOUNDS BY GC-MS								
Surrogates:									
2-Fluorophenol	76 %	38-81	2	04/01/10	kb	04/06/10	avl		
Phenol-d5	74 %	32-102	2	04/01/10	kb	04/06/10	avl		
Nitrobenzene-d5	77 %	36-98	2	04/01/10	kb	04/06/10	avl		
2-Fluorobiphenyl	80 %	44-105	2	04/01/10	kb	04/06/10	avl		
2,4,6-Tribromophenol	81 %	38-101	2	04/01/10	kb	04/06/10	avl		
Terphenyl-d14	87 %	46-109	2	04/01/10	kb	04/06/10	avl		
PESTICIDES/PCBS									
Analysis Method: EPA 808	2								
Batch: T015612									
Aroclor-1016	<0.16 mg/kg dry	0.16	1	03/31/10	kb	04/06/10	jp		
Aroclor-1221	<0.16 mg/kg dry	0.16	1	03/31/10	kb	04/06/10	jp		
Aroclor-1232	<0.16 mg/kg dry	0.16	1	03/31/10	kb	04/06/10	jp		
Aroclor-1242	<0.16 mg/kg dry	0.16	1	03/31/10	kb	04/06/10	jp		
Aroclor-1248	<0.16 mg/kg dry	0.16	1	03/31/10	kb	04/06/10	jp		
Aroclor-1254	<0.16 mg/kg dry	0.16	1	03/31/10	kb	04/06/10	jp		
Aroclor-1260	<0.16 mg/kg dry	0.16	1	03/31/10	kb	04/06/10	jp		
Surrogates:									
Tetrachloro-m-xylene	73 %	40-113	1	03/31/10	kb	04/06/10	jp	N	
Decachlorobiphenyl	55 %	32-111	1	03/31/10	kb	04/06/10	jp	N	
METALS, TOTAL									
Analysis Method: EPA 601	n P								
Batch: T015654	<u>u.</u>								
Barium	6.0 mg/kg dry	1.0	1	04/05/10	jd	04/07/10	jlm	211	
Cadmium	<0.20 mg/kg dry		1	04/05/10	jd jd	04/07/10	jlm	211	
Chromium	2.6 mg/kg dry	0.20 1.0	1	04/05/10	jd jd	04/07/10	jlm		
Copper	3.9 mg/kg dry	1.0	1	04/05/10	jd	04/07/10	jlm		
Lead	9.3 mg/kg dry	1.0	1	04/05/10	jd	04/07/10	jlm		
Nickel	1.6 mg/kg dry	1.0	1	04/05/10	jd	04/07/10	jlm		
Zinc	49 mg/kg dry	1.0	1	04/05/10	jd	04/07/10	jlm		
Analysis Method: EPA 602)								
Batch: T015654									
Arsenic	2.9 mg/kg dry	0.12	10	04/05/10	jd	04/05/10	jn	212	

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ANALYTICAL RESULTS

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

Trace ID: T10C335-02 Sample ID: SS-Topsoil -2			Collected: Received:	03/30/10 15:1 03/31/10 10:3		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Selenium	0.50 mg/kg dry	0.40	10	04/05/10	jd	04/05/10	jn	205	
Silver	<0.097 mg/kg dry	0.097	10	04/05/10	jd	04/06/10	jn	205	
Analysis Method: EPA 7471A									
Batch: T015654									
Mercury	0.68 mg/kg dry	0.30	10	04/05/10	jd	04/05/10	jlm		
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T015651									
% Solids	86 % by Wt.	0.10	1	04/02/10	da	04/05/10	da	N	



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ANALYTICAL RESULTS

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

Frace ID: T10C335-03 Sample ID: Trip Blank			Collected: Received:	02/02/10 03/31/10 10:3	5	Matrix:	Water		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MC
OLATILE ORGANIC COMPOUNI	DS BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T015662									
Chloromethane	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
Vinyl chloride	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
Bromomethane	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
Chloroethane	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
1,1-Dichloroethene	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
Acetone	<10 ug/L	10	1	04/01/10	jp	04/01/10	jp		
Carbon disulfide	<5.0 ug/L	5.0	1	04/01/10	jp	04/01/10	jp		
Methylene chloride	<5.0 ug/L	5.0	1	04/01/10	jp	04/01/10	jp		
1,1-Dichloroethane	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
2-Butanone	<5.0 ug/L	5.0	1	04/01/10	jp	04/01/10	jp		
1,2-Dichloroethene (total)	<2.0 ug/L	2.0	1	04/01/10	jp	04/01/10	jp	N	
Chloroform	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
1,1,1-Trichloroethane	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
Carbon tetrachloride	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
Benzene	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
1,2-Dichloroethane	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
Trichloroethene	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
1,2-Dichloropropane	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
Bromodichloromethane	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
cis-1,3-Dichloropropene	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
4-Methyl-2-pentanone	<5.0 ug/L	5.0	1	04/01/10	jp	04/01/10	jp		
Toluene	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
trans-1,3-Dichloropropene	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
1,1,2-Trichloroethane	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
Tetrachloroethene	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
2-Hexanone	<5.0 ug/L	5.0	1	04/01/10	jp	04/01/10	jp		
Dibromochloromethane	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
Chlorobenzene	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
Ethylbenzene	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
m,p-Xylene	<2.0 ug/L	2.0	1	04/01/10	jp	04/01/10	jp	N	
o-Xylene	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp	N	
Xylenes, total	<3.0 ug/L	3.0	1	04/01/10	jp	04/01/10	jp		
Styrene	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp		
Bromoform	<1.0 ug/L	1.0	1	04/01/10	jр	04/01/10	jp		

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<1.0 ug/L

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1.0

04/01/10

04/01/10

1,1,2,2-Tetrachloroethane



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ANALYTICAL RESULTS

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

Trace ID: T10C335-03 Sample ID: Trip Blank			collected:	02/02/10 03/31/10 10:3	5	Matrix:	Water		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUND	S BY GC-MS								
1,3-Dichlorobenzene	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp	N	
1,4-Dichlorobenzene	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp	N	
1,2-Dichlorobenzene	<1.0 ug/L	1.0	1	04/01/10	jp	04/01/10	jp	N	
Surrogates:									
1,2-Dichloroethane-d4	101 %	70-133	1	04/01/10	jp	04/01/10	jp		
Toluene-d8	108 %	76-125	1	04/01/10	jp	04/01/10	jp		
4-Bromofluorobenzene	105 %	71-123	1	04/01/10	jp	04/01/10	jp		
1,2-Dichlorobenzene-d4	96 %	72-123	1	04/01/10	jp	04/01/10	jp		



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QUALITY CONTROL RESULTS

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

QC Batch: T015654

QC Batch Method: EPA 3051 Microwave Assisted

Digestions for Solids

Analysis Description: Chromium, Total Analysis Method: EPA 6010B

METHOD BLANK: T015654-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Barium	mg/kg dry	<1.0	1.0	
Cadmium	mg/kg dry	<0.20	0.20	
Chromium	mg/kg dry	<2.0	2.0	
Copper	mg/kg dry	<1.0	1.0	
Nickel	mg/kg dry	<1.0	1.0	
Lead	mg/kg dry	<1.0	1.0	
Zinc	mg/kg dry	<1.0	1.0	

LABORATORY CONTROL SAMPLE: T015654-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Barium	mg/kg dry	40.0	38.2	96	80-120	
Cadmium	mg/kg dry	40.0	38.9	97	80-120	
Chromium	mg/kg dry	40.0	37.7	94	80-120	
Copper	mg/kg dry	40.0	38.0	95	80-120	
Nickel	mg/kg dry	40.0	36.8	92	80-120	
Lead	mg/kg dry	40.0	37.0	92	80-120	
Zinc	mg/kg dry	40.0	39.3	98	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T015654-MSD1 Original: T10C335-02

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Barium	mg/kg dry	5.97	39.1	90.0	83.2	220	198	75-125	11	20	211
Cadmium	mg/kg dry	0.0420	39.1	34.9	36.3	91	93	75-125	2	20	
Chromium	mg/kg dry	2.59	39.1	43.5	43.8	107	105	75-125	2	20	
Copper	mg/kg dry	3.92	39.1	47.3	46.2	114	108	75-125	5	20	
Nickel	mg/kg dry	1.64	39.1	38.6	38.4	97	94	75-125	3	20	
Lead	mg/kg dry	9.31	39.1	49.7	48.3	106	100	75-125	6	20	
Zinc	mg/kg dry	49.1	39.1	93.4	83.3	116	87	75-125	28	20	207

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

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QC Batch: T015654

QC Batch Method: EPA 3051 Microwave Assisted

Digestions for Solids

Analysis Description: Selenium, Total Analysis Method: EPA 6020

METHOD BLANK: T015654-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Arsenic	mg/kg dry	<0.12	0.12	
Selenium	mg/kg dry	<0.40	0.40	

LABORATORY CONTROL SAMPLE: T015654-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Arsenic	mg/kg dry	5.00	4.38	88	80-120	
Selenium	mg/kg dry	5.00	4.45	89	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T015654-MSD1 Original: T10C335-02

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Arsenic	mg/kg dry	2.92	4.89	6.01	5.46	65	52	75-125	22	20	212
Selenium	mg/kg dry	0.501	4.89	3.41	3.11	61	53	75-125	13	20	205

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

QC Batch: T015663 Analysis Description: Silver, Total
QC Batch Method: EPA 3051 Microwave Assisted Digestion Analysis Method: EPA 6020

with HCI

METHOD BLANK: T015663-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/kg dry	<0.10	0.10	

LABORATORY CONTROL SAMPLE: T015663-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Silver	ma/ka drv	5.00	4.86	97	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T015663-MSD1 Original: T10C335-02

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Silver	mg/kg dry	0.0516	4.89	3.24	3.59	67	72	75-125	8	20	205

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Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

QC Batch: T015654

QC Batch Method: EPA 3051 Microwave Assisted

Digestions for Solids

Analysis Description: Mercury, Total, EPA 7470/7471

Analysis Method: EPA 7471A

METHOD BLANK: T015654-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/kg dry	<0.050	0.050	

LABORATORY CONTROL SAMPLE: T015654-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	mg/kg dry	0.200	0.172	86	77-122	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T015654-MSD1

		Original	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Result	Result	% Rec	% Rec	Limit	RPD	RPD	Notes
Mercury	mg/kg dry	0.684	0.196	0.778	0.811	49	65	76-123	28	20	222

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

Original: T10C335-02

QC Batch: T015612

QC Batch Method: EPA 3540C Soxhlet Extraction

Analysis Description: PCBs
Analysis Method: EPA 8082

METHOD BLANK: T015612-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Aroclor-1016	mg/kg wet	<0.13	0.13	
Aroclor-1221	mg/kg wet	<0.13	0.13	
Aroclor-1232	mg/kg wet	<0.13	0.13	
Aroclor-1242	mg/kg wet	<0.13	0.13	
Aroclor-1248	mg/kg wet	<0.13	0.13	
Aroclor-1254	mg/kg wet	<0.13	0.13	
Aroclor-1260	mg/kg wet	<0.13	0.13	
Tetrachloro-m-xylene (S)	%	70	40-113	
Decachlorobiphenyl (S)	%	66	32-111	

LABORATORY CONTROL SAMPLE: T015612-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Aroclor-1016	mg/kg wet	0.664	0.420	63	51-110	

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LABORATORY CONTROL SAMPLE: T015612-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Aroclor-1260	mg/kg wet	0.664	0.437	66	49-110	
Tetrachloro-m-xylene (S)	%	0.0332	0.0283	85	40-113	
Decachlorobiphenyl (S)	%	0.0332	0.0294	88	32-111	

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

QC Batch: T015623

QC Batch Method: EPA 3550B Ultrasonic Extraction

Analysis Description: Semi-volatiles, TCL list

Analysis Method: EPA 8270C

METHOD BLANK: T015623-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Bis(2-chloroethyl)ether	mg/kg wet	<0.033	0.033	
2-Chlorophenol	mg/kg wet	<0.083	0.083	
Phenol	mg/kg wet	<0.083	0.083	
1,3-Dichlorobenzene	mg/kg wet	<0.083	0.083	
1,4-Dichlorobenzene	mg/kg wet	<0.083	0.083	
1,2-Dichlorobenzene	mg/kg wet	<0.083	0.083	
Benzyl alcohol	mg/kg wet	<0.66	0.66	
Bis(2-chloroisopropyl)ether	mg/kg wet	<0.083	0.083	
2-Methylphenol (o-Cresol)	mg/kg wet	<0.083	0.083	
3,4-Methylphenol (m,p Cresol)	mg/kg wet	<0.083	0.083	
N-Nitrosodi-n-propylamine	mg/kg wet	<0.083	0.083	
Hexachloroethane	mg/kg wet	<0.083	0.083	
Nitrobenzene	mg/kg wet	<0.033	0.033	
Isophorone	mg/kg wet	<0.083	0.083	
2-Nitrophenol	mg/kg wet	<0.083	0.083	
2,4-Dimethylphenol	mg/kg wet	<0.083	0.083	
Bis(2-chloroethoxy)methane	mg/kg wet	<0.083	0.083	
Benzoic acid	mg/kg wet	<1.2	1.2	
1,2,4-Trichlorobenzene	mg/kg wet	<0.083	0.083	
2,4-Dichlorophenol	mg/kg wet	<0.083	0.083	
Naphthalene	mg/kg wet	<0.083	0.083	
4-Chloroaniline	mg/kg wet	<0.083	0.083	
Hexachlorobutadiene	mg/kg wet	<0.033	0.033	
4-Chloro-3-methylphenol	mg/kg wet	<0.083	0.083	
2-Methylnaphthalene	mg/kg wet	<0.083	0.083	
Hexachlorocyclopentadiene	mg/kg wet	<0.17	0.17	
2,4,6-Trichlorophenol	mg/kg wet	<0.033	0.033	
2,4,5-Trichlorophenol	mg/kg wet	<0.083	0.083	
2-Chloronaphthalene	mg/kg wet	<0.083	0.083	
2-Nitroaniline	mg/kg wet	<0.083	0.083	
Dimethyl phthalate	mg/kg wet	<0.083	0.083	

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METHOD BLANK: T015623-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Acenaphthylene	mg/kg wet	<0.083	0.083	
2,6-Dinitrotoluene	mg/kg wet	<0.083	0.083	
3-Nitroaniline	mg/kg wet	<0.083	0.083	
Acenaphthene	mg/kg wet	<0.083	0.083	
Dibenzofuran	mg/kg wet	<0.083	0.083	
2,4-Dinitrotoluene	mg/kg wet	<0.083	0.083	
4-Nitrophenol	mg/kg wet	<0.67	0.67	
2,4-Dinitrophenol	mg/kg wet	<0.67	0.67	
Diethyl phthalate	mg/kg wet	<0.083	0.083	
Fluorene	mg/kg wet	<0.083	0.083	
4-Chlorophenyl phenyl ether	mg/kg wet	<0.083	0.083	
4-Nitroaniline	mg/kg wet	<0.083	0.083	
4,6-Dinitro-2-methylphenol	mg/kg wet	<0.17	0.17	
N-Nitrosodiphenylamine	mg/kg wet	<0.083	0.083	
4-Bromophenyl phenyl ether	mg/kg wet	<0.083	0.083	
Hexachlorobenzene	mg/kg wet	<0.083	0.083	
Pentachlorophenol	mg/kg wet	<0.36	0.36	
Phenanthrene	mg/kg wet	<0.033	0.033	
Anthracene	mg/kg wet	<0.083	0.083	
Carbazole	mg/kg wet	<0.083	0.083	
Di-n-butyl phthalate	mg/kg wet	<0.083	0.083	
Fluoranthene	mg/kg wet	<0.033	0.033	
Pyrene	mg/kg wet	<0.083	0.083	
Butyl benzyl phthalate	mg/kg wet	<0.083	0.083	
Benzo (a) anthracene	mg/kg wet	<0.033	0.033	
Chrysene	mg/kg wet	<0.033	0.033	
3,3'-Dichlorobenzidine	mg/kg wet	<0.66	0.66	
Bis(2-ethylhexyl)phthalate	mg/kg wet	<0.083	0.083	
Di-n-octyl phthalate	mg/kg wet	<0.083	0.083	
Benzo (b) fluoranthene	mg/kg wet	<0.033	0.033	
Benzo (k) fluoranthene	mg/kg wet	<0.033	0.033	
Benzo (a) pyrene	mg/kg wet	<0.033	0.033	
Indeno (1,2,3-cd) pyrene	mg/kg wet	<0.033	0.033	
Dibenz (a,h) anthracene	mg/kg wet	<0.033	0.033	
Benzo (g,h,i) perylene	mg/kg wet	<0.033	0.033	
2-Fluorophenol (S)	%	63	38-81	
Phenol-d5 (S)	%	63	32-102	
Nitrobenzene-d5 (S)	%	62	36-98	
2-Fluorobiphenyl (S)	%	67	44-105	
2,4,6-Tribromophenol (S)	%	63	38-101	
Terphenyl-d14 (S)	%	72	46-109	

LABORATORY CONTROL SAMPLE: T015623-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
	Office				LIIIII	110100



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LABORATORY CONTROL SAMPLE: T015623-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2-Chlorophenol	mg/kg wet	3.40	2.10	62	49-93	
Phenol	mg/kg wet	3.33	2.08	62	40-90	
1,4-Dichlorobenzene	mg/kg wet	1.75	1.01	58	37-106	
N-Nitrosodi-n-propylamine	mg/kg wet	1.49	0.960	64	51-106	
1,2,4-Trichlorobenzene	mg/kg wet	1.82	1.14	63	49-100	
4-Chloro-3-methylphenol	mg/kg wet	3.47	2.28	66	50-96	
Acenaphthene	mg/kg wet	1.75	1.12	64	52-105	
2,4-Dinitrotoluene	mg/kg wet	1.70	1.03	60	51-108	
4-Nitrophenol	mg/kg wet	3.33	1.99	60	22-112	
Pentachlorophenol	mg/kg wet	3.43	2.45	71	30-111	
Pyrene	mg/kg wet	1.75	1.22	70	47-114	
2-Fluorophenol (S)	%	3.33	2.00	60	38-81	
Phenol-d5 (S)	%	3.33	2.04	61	32-102	
Nitrobenzene-d5 (S)	%	3.33	2.06	62	36-98	
2-Fluorobiphenyl (S)	%	3.33	2.02	61	44-105	
2,4,6-Tribromophenol (S)	%	3.33	2.25	68	38-101	
Terphenyl-d14 (S)	%	3.33	2.26	68	46-109	

Original: T10C335-01 MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T015623-MSD1

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
2-Chlorophenol	mg/kg dry	0	4.24	2.86	2.39	67	56	43-93	18	23	
Phenol	mg/kg dry	0	4.16	2.91	2.42	70	58	31-91	18	28	
1,4-Dichlorobenzene	mg/kg dry	0	2.18	1.43	1.24	65	57	43-92	15	33	
N-Nitrosodi-n-propylamine	mg/kg dry	0	1.86	1.19	1.10	64	59	32-121	8	26	
1,2,4-Trichlorobenzene	mg/kg dry	0	2.27	1.54	1.34	68	59	43-99	14	33	
4-Chloro-3-methylphenol	mg/kg dry	0	4.32	2.85	2.50	66	58	36-108	13	25	
Acenaphthene	mg/kg dry	0	2.18	1.66	1.49	76	68	46-111	10	31	
2,4-Dinitrotoluene	mg/kg dry	0	2.12	0.970	0.846	46	40	18-128	13	28	
4-Nitrophenol	mg/kg dry	0	4.16	0.411	<			15-125		26	219
Pentachlorophenol	mg/kg dry	0	4.28	2.68	2.33	62	54	14-125	14	25	
Pyrene	mg/kg dry	0.956	2.19	2.48	2.66	70	78	40-124	11	33	
2-Fluorophenol (S)	%		4.16	2.57	2.06	62	50	38-81			
Phenol-d5 (S)	%		4.16	2.57	2.10	62	50	32-102			
Nitrobenzene-d5 (S)	%		4.16	2.69	2.33	64	56	36-98			
2-Fluorobiphenyl (S)	%		4.16	2.86	2.63	69	63	44-105			
2,4,6-Tribromophenol (S)	%		4.16	2.86	2.56	69	62	38-101			
Terphenyl-d14 (S)	%		4.16	3.14	2.82	75	68	46-109			



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Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

QC Batch: T015662

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous

Samples

Analysis Description: Volatiles, Target Compound List

Analysis Method: EPA 8260B

METHOD BLANK: T015662-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Chloromethane	ug/L	<1.0	1.0	
Vinyl chloride	ug/L	<1.0	1.0	
Bromomethane	ug/L	<1.0	1.0	
Chloroethane	ug/L	<1.0	1.0	
1,1-Dichloroethene	ug/L	<1.0	1.0	
Acetone	ug/L	<10	10	
Carbon disulfide	ug/L	<5.0	5.0	
Methylene chloride	ug/L	<5.0	5.0	
1,1-Dichloroethane	ug/L	<1.0	1.0	
2-Butanone	ug/L	<5.0	5.0	
1,2-Dichloroethene (total)	ug/L	<2.0	2.0	
Chloroform	ug/L	<1.0	1.0	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	
Carbon tetrachloride	ug/L	<1.0	1.0	
Benzene	ug/L	<1.0	1.0	
1,2-Dichloroethane	ug/L	<1.0	1.0	
Trichloroethene	ug/L	<1.0	1.0	
1,2-Dichloropropane	ug/L	<1.0	1.0	
Bromodichloromethane	ug/L	<1.0	1.0	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	
4-Methyl-2-pentanone	ug/L	<5.0	5.0	
Toluene	ug/L	<1.0	1.0	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	
Tetrachloroethene	ug/L	<1.0	1.0	
2-Hexanone	ug/L	<5.0	5.0	
Dibromochloromethane	ug/L	<1.0	1.0	
Chlorobenzene	ug/L	<1.0	1.0	
Ethylbenzene	ug/L	<1.0	1.0	
m,p-Xylene	ug/L	<2.0	2.0	
o-Xylene	ug/L	<1.0	1.0	
Xylenes, total	ug/L	<3.0	3.0	
Styrene	ug/L	<1.0	1.0	
Bromoform	ug/L	<1.0	1.0	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	
1,2-Dichloroethane-d4 (S)	%	101	70-133	

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METHOD BLANK: T015662-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Toluene-d8 (S)	%	107	76-125	
4-Bromofluorobenzene (S)	%	103	71-123	
1,2-Dichlorobenzene-d4 (S)	%	94	72-123	

LABORATORY CONTROL SAMPLE: T015662-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,1-Dichloroethene	ug/L	20.0	20.0	100	64-156	
Benzene	ug/L	20.0	19.2	96	80-120	
Trichloroethene	ug/L	20.0	19.7	98	69-133	
Toluene	ug/L	20.0	19.1	96	80-120	
Chlorobenzene	ug/L	20.0	18.9	94	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	45.9	102	70-133	
Toluene-d8 (S)	%	45.0	47.6	106	76-125	
4-Bromofluorobenzene (S)	%	45.0	46.1	102	71-123	
1,2-Dichlorobenzene-d4 (S)	%	45.0	44.6	99	72-123	

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

QC Batch: T015675

QC Batch Method: EPA 5035 Purge-and-Trap for Solids and

Wastes

Analysis Description: Volatiles, Full MDEQ+ List

Analysis Method: EPA 8260B

METHOD BLANK: T015675-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Chloromethane	mg/kg wet	<0.0050	0.0050	
Bromomethane	mg/kg wet	<0.0050	0.0050	
Chloroethane	mg/kg wet	<0.0050	0.0050	
1,1-Dichloroethene	mg/kg wet	<0.0050	0.0050	
Acetone	mg/kg wet	<0.050	0.050	
Carbon disulfide	mg/kg wet	<0.025	0.025	
Methylene chloride	mg/kg wet	<0.0050	0.0050	
trans-1,2-Dichloroethene	mg/kg wet	<0.0050	0.0050	
1,1-Dichloroethane	mg/kg wet	<0.0050	0.0050	
2-Butanone	mg/kg wet	<0.050	0.050	
cis-1,2-Dichloroethene	mg/kg wet	<0.0050	0.0050	
Chloroform	mg/kg wet	<0.0050	0.0050	
1,1,1-Trichloroethane	mg/kg wet	<0.0050	0.0050	
Carbon tetrachloride	mg/kg wet	<0.0050	0.0050	
Benzene	mg/kg wet	<0.0050	0.0050	
1,2-Dichloroethane	mg/kg wet	<0.0050	0.0050	
1,2-Dichloropropane	mg/kg wet	<0.0050	0.0050	

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METHOD BLANK: T015675-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Bromodichloromethane	mg/kg wet	<0.0050	0.0050	
cis-1,3-Dichloropropene	mg/kg wet	<0.0050	0.0050	
4-Methyl-2-pentanone	mg/kg wet	<0.050	0.050	
Toluene	mg/kg wet	<0.0050	0.0050	
1,1,2-Trichloroethane	mg/kg wet	<0.0050	0.0050	
Tetrachloroethene	mg/kg wet	<0.0050	0.0050	
2-Hexanone	mg/kg wet	<0.050	0.050	
Dibromochloromethane	mg/kg wet	<0.0050	0.0050	
Chlorobenzene	mg/kg wet	<0.0050	0.0050	
Ethylbenzene	mg/kg wet	<0.0050	0.0050	
m,p-Xylene	mg/kg wet	<0.010	0.010	
o-Xylene	mg/kg wet	<0.0050	0.0050	
Xylenes, total	mg/kg wet	<0.015	0.015	
Styrene	mg/kg wet	<0.0050	0.0050	
Bromoform	mg/kg wet	<0.0050	0.0050	
1,1,2,2-Tetrachloroethane	mg/kg wet	<0.0050	0.0050	
1,2-Dichloroethane-d4 (S)	%	94	71-131	
Toluene-d8 (S)	%	96	70-130	
4-Bromofluorobenzene (S)	%	93	65-122	
1,2-Dichlorobenzene-d4 (S)	%	94	54-134	

LABORATORY CONTROL SAMPLE: T015675-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,1-Dichloroethene	mg/kg wet	0.0200	0.0225	112	65-144	
Benzene	mg/kg wet	0.0200	0.0213	106	65-129	
Toluene	mg/kg wet	0.0200	0.0215	107	61-129	
Chlorobenzene	mg/kg wet	0.0200	0.0200	100	63-123	
1,2-Dichloroethane-d4 (S)	%	30.0	28.0	93	71-131	
Toluene-d8 (S)	%	30.0	28.9	96	70-130	
4-Bromofluorobenzene (S)	%	30.0	28.0	93	65-122	
1,2-Dichlorobenzene-d4 (S)	%	30.0	28.6	96	54-134	

Trace Project ID: T10C335

Client Project ID: LEC MW19HS1 Remediation / 6527.44

QC Batch: T015651
QC Batch Method: % Solids

Analysis Description: Solids, Dry Weight Analysis Method: % Calculation

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In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.



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SAMPLE LOG IN CHECKLIST

Date: 3 - 31-P	Client Name: RM	1 <i>T</i>	# of Coolers:
Trace ID #: T /o C 335	Project Name:		Cooler #s:
,	Logged in by:	multo	Cooler #s:
· .	Gooler	Receipt	
.,	Trace courier		
Cooler/samples delivered by:	Hand delivered	Name of delivery person	on:
	Commercial courier	UPS DI	HL FED EX US Mail
Did cooler come with a bill of lading?	No [Applicable
	Yes	Way Bill or Tracking	#:
COC Seals present and intact on cooler?	No 🔽	Not Applicable	
	Yes .		
Custody seals signed by Client?	No. Y	Client custody seal # (if applicable	e):
	Yes		
		Temperature	
Type of Coolant Use	∌d	- man	Correction Factor -0.3 °C
Character and author or abic ica?	Yes No	Date: 3 - 31-10	Time: <u>/0 : 35</u> nk: °C
Slurry w/ crushed, cubed, or chip ice?		Temperature Blan Range of 3 sample	
Multiple bags of ice around samples?			
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April 14, 2010

Ms. Jennifer Overvoorde RMT, Inc. 2025 E. Beltline Ave. SE Suite 402 Grand Rapids, MI 49546

Phone: (616) 975-5415 Fax: (616) 975-1098

RE: Trace Project T10D135

Client Project LEC MW19HS1 Remediation / 6527.44

-MinD

Dear Ms. Overvoorde:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink Project Manager

Enclosures





phonefax

phone 231.773.5998 toll-free 800.733.5998 231.773.6537

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SAMPLE SUMMARY

Trace Project ID: T10D135

Client Project ID: LEC MW19HS1 Remediation / 6527.44

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T10D135-01	SS-Topsoil - 1	Soil	sp	03/30/10 15:00	03/31/10 10:35



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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate
RPD Relative Percent Difference

DUP Matrix Duplicate

RDL Reporting Detection Limit
MCL Maximum Contamination Limit
TIC Tentatively Identified Compound

<, ND or U Indicates the compound was analyzed for but not detected

* Indicates a result that exceeds its associated MCL or Surrogate control limits

N Indicates that the compound has not been evaluated by NELAC

NA Indicates that the compound is not available.



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ANALYTICAL RESULTS

Trace Project ID: T10D135

Client Project ID: LEC MW19HS1 Remediation / 6527.44

Trace ID: T10D135-01 Date Collected: 03/30/10 15:00 Matrix: Soil Sample ID: SS-Topsoil - 1 Date Received: 03/31/10 10:35 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL METALS, TCLP Analysis Method: EPA 6010B Batch: T015809 Arsenic <0.30 mg/L 0.30 1 04/14/10 jd 04/14/10 jlm 5.0 Barium <1.0 mg/L 1 04/14/10 jd 04/14/10 jlm 100 1.0 Cadmium <0.10 mg/L 1 04/14/10 jd 04/14/10 jlm 1.0 0.10 Chromium <0.50 mg/L 0.50 1 04/14/10 jd 04/14/10 jlm 5.0 04/14/10 <0.50 mg/L jd 04/14/10 5.0 Lead 0.50 1 jlm Selenium <0.60 mg/L 1 04/14/10 jd 04/14/10 1.0 0.60 jlm <0.10 mg/L 04/14/10 04/14/10 5.0 Silver 1 jd 0.10 jlm Analysis Method: EPA 7470A Batch: T015806 <0.010 mg/L 0.20 Mercury 0.010 04/14/10 jd 04/14/10 jlm



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QUALITY CONTROL RESULTS

Trace Project ID: T10D135

Client Project ID: LEC MW19HS1 Remediation / 6527.44

QC Batch: T015809 Analysis Description: Barium, TCLP
QC Batch Method: EPA 3015 Microwave Assisted Analysis Method: EPA 6010B

METHOD BLANK: T015809-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Lead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	

METHOD BLANK: T015809-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Lead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	

LABORATORY CONTROL SAMPLE: T015809-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Silver	mg/L	0.0278	<0.10	85	80-120	
Arsenic	mg/L	0.0556	<0.30	102	80-120	
Barium	mg/L	0.889	<1.0	102	80-120	
Cadmium	mg/L	0.0278	<0.10	101	80-120	
Chromium	mg/L	0.0278	<0.50	101	80-120	
Lead	mg/L	0.0556	<0.50	110	80-120	
Selenium	mg/L	0.0556	<0.60	91	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T015809-MSD1 Original: T10D135-01

		Original	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Result	Result	% Rec	% Rec	l imit	RPD	RPD	Notes

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Report ID: T10D135 FINAL 04 14 10 1412



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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T015809-MSD1 Original: T10D135-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Silver	mg/L	0	0.250	0.232	0.211	93	85	75-125	9	20	
Arsenic	mg/L	0	0.500	0.499	0.503	100	101	75-125	8.0	20	
Barium	mg/L	0.733	8.00	8.81	8.99	101	103	75-125	2	20	
Cadmium	mg/L	0.00375	0.250	0.262	0.269	103	106	75-125	3	20	
Chromium	mg/L	0	0.250	0.257	<0.50	103	104	75-125	1	20	
Lead	mg/L	0.0566	0.500	0.583	0.581	105	105	75-125	0.3	20	
Selenium	mg/L	0	0.500	0.481	<0.60	96	99	75-125	3	20	

Trace Project ID: T10D135

Client Project ID: LEC MW19HS1 Remediation / 6527.44

QC Batch: T015806 Analysis Description: Mercury, TCLP
QC Batch Method: EPA 7470A Prep Analysis Method: EPA 7470A

METHOD BLANK: T015806-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/L	<0.010	0.010	

METHOD BLANK: T015806-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/L	<0.010	0.010	

METHOD BLANK: T015806-BLK3

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ma/L	<0.010	0.010	

LABORATORY CONTROL SAMPLE: T015806-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	mg/L	0.00200	<0.010	102	80-120	

Trace Project ID: T10D135

Client Project ID: LEC MW19HS1 Remediation / 6527.44

QC Batch: T015808 Analysis Description: TCLP Extraction, Metals
QC Batch Method: Leaching proceedures Analysis Method: EPA 1311

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In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.



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Page 1 of 1

Jon Mink

Pawlukiewicz, Scott [Scott.Pawlukiewicz@rmtinc.com] From:

Sent: Tuesday, April 13, 2010 2:03 PM

Jon Mink To:

Cc: McKenzie, Dave; Overvoorde, Jennifer

Subject: RE: Topsoil Results

In regards to our discussion today regarding the TCLP analysis of the topsoil samples already submitted, please proceed with TCLP metals analysis of sample "SS-Topsoil-1" (Trace ID: T10C335-01). This is the only TCLP analysis requested at this time.

Please put a 24-hr rush on this sample as well. Let me know if you have any questions.

Thanks-Scott

From: Jon Mink [jmink@trace-labs.com] Sent: Thursday, April 08, 2010 9:52 AM To: Pawlukiewicz, Scott

Subject: RE: Topsoil Results

Here is the report

Jon Mink Project Manager Trace Analytical Laboratories, Inc. 231-773-5998 x241 jmink@trace-labs.com

----Original Message-----

From: Pawlukiewicz, Scott [mailto:Scott.Pawlukiewicz@rmtinc.com]

Sent: Thursday, April 08, 2010 9:31 AM

To: Jon Mink

Subject: Topsoil Results

Can you please send over the topsoil analytical results submitted last week as soon as they are available? Trying to coordinate with our waste guys to get this stuff off-site.

Thanks! Scott

Outgoing messages, along with any attachments, are scanned for viruses prior to sending.

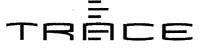
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4/13/2010

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February 16, 2010

Ms. Jennifer Overvoorde RMT, Inc. 2025 E. Beltline Ave. SE Suite 402 Grand Rapids, MI 49546

Phone: (616) 975-5415 Fax: (616) 975-1098

RE:

Trace Project

T10A235

Client Project

LEC MW19HS1 Remediation / 6527.40

Dear Ms. Overvoorde:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

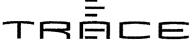
Sincerely,

Jon Mink

Project Manager

Enclosures





phone fax

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SAMPLE SUMMARY

Trace Project ID:

T10A235

Client Project ID:

LEC MW19HS1 Remediation / 6527.40

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T10A235-01	W19HS1-10-1 (Composite)	Soil	sp	01/28/10 16:10	01/29/10 10:26
T10A235-02	W19HS1-10-1 (Grab)	Soil	sp	01/28/10 16:10	01/29/10 10:26
T10A235-03	W19HS1-10-2	Soil	sp	01/28/10 16:40	01/29/10 10:26
T10A235-04	W19HS1-10-3	Soil	sp	01/28/10 17:00	01/29/10 10:26
T10A235-05	W19HS1-10-4	Soil	sp	01/28/10 17:10	01/29/10 10:26



fax

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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

Matrix Spike Duplicate MSD **RPD** Relative Percent Difference

DUP Matrix Duplicate

Reporting Detection Limit RDL MCL **Maximum Contamination Limit** TIC Tentatively Identified Compound

<, ND or U Indicates the compound was analyzed for but not detected

Indicates a result that exceeds its associated MCL or Surrogate control limits

Indicates that the compound has not been evaluated by NELAC

Indicates that the compound is not available. NA

DATA QUALIFIERS

Trace ID: T014633-MS1	
Analysis: EPA 6010B Barium	Note 222: The MS and MSD recoveries were out of control. Because the sample background concentration of this analyte is greater than four times the spike amount, no data require qualification.
Lead	Note 205: The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Nickel	Note 208: The MS recovery was out of control. Because the MSD recovery and the RPD between the MS and the MSD were in control, no data require qualification.
Zinc	Note 202: The MS recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Analysis: EPA 6020	
Selenium	Note 212: The MS and MSD recoveries were out of control low. The RPD between the MS and MSD was also out of control. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Analysis: EPA 7471A	
Mercury	Note 212: The MS and MSD recoveries were out of control low. The RPD between the MS and MSD was also out of control. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Trace ID: T014633-MSD1 Analysis: EPA 6010B	
Barium	Note 222: The MS and MSD recoveries were out of control. Because the sample background concentration of this analyte is greater than four times the spike amount,

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no data require qualification.



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Copper	Note 207: The RPD between the MS and the MSD was out of control. Because both spike recoveries were in control, no data require qualification.
Lead	Note 205: The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Nickel	Note 208: The MS recovery was out of control. Because the MSD recovery and the RPD between the MS and the MSD were in control, no data require qualification.
Vanadium	Note 207: The RPD between the MS and the MSD was out of control. Because both spike recoveries were in control, no data require qualification.
Zinc	Note 202: The MS recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Analysis: EPA 6020	
Arsenic	Note 204: The MSD recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Selenium	Note 212: The MS and MSD recoveries were out of control low. The RPD between the MS and MSD was also out of control. The result and reporting limit for this analyte in the non-spiked version of the sample, must be considered estimated.
Analysis: EPA 7471A	
Mercury	Note 212: The MS and MSD recoveries were out of control low. The RPD between the MS and MSD was also out of control. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
race ID: T10A235-01	
Analysis: EPA 6010B	
Lead	Note 205: The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Zinc	Note 202: The MS recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Analysis: EPA 6020	· · ·
Arsenic	Note 204: The MSD recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Selenium	Note 212: The MS and MSD recoveries were out of control low. The RPD between the MS and MSD was also out of control. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Analysis: EPA 7471A	

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The MS and MSD recoveries were out of control low. The RPD between

the MS and MSD was also out of control. The result and reporting limit for this analyte,

in the non-spiked version of the sample, must be considered estimated.

Mercury



phone toll-free fax

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Analysis: EPA 9012B

Cyanide (total)

Note 506: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 14-day hold time.



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ANALYTICAL RESULTS

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A235-01 Sample ID: W19HS1-10-1 (Compos	ite)		Collected:	01/28/10 16 01/29/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
SEMI-VOLATILE ORGANIC COM	IPOUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T014636									
Bis(2-chloroethyl)ether	<0.079 mg/kg dry	0.079	2	02/01/10	kb	02/02/10	avl		
2-Chlorophenol	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
Phenol	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
1,3-Dichlorobenzene	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
1,4-Dichlorobenzene	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
1,2-Dichlorobenzene	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
Benzyl alcohol	<1.6 mg/kg dry	1.6	2	02/01/10	kb	02/02/10	avl		
Bis(2-chloroisopropyl)ether	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
2-Methylphenol (o-Cresol)	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
3,4-Methylphenol (m,p Cresol)	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
N-Nitrosodi-n-propylamine	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
Hexachloroethane	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
Nitrobenzene	<0.079 mg/kg dry	0.079	2	02/01/10	kb	02/02/10	avl		
Isophorone	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
2-Nitrophenol	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
2,4-Dimethylphenol	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
Bis(2-chloroethoxy)methane	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
Benzoic acid	<2.9 mg/kg dry	2.9	2	02/01/10	kb	02/02/10	avl		
1,2,4-Trichlorobenzene	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avi		
2,4-Dichlorophenol	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
Naphthalene	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
4-Chloroaniline	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avi		
Hexachlorobutadiene	<0.079 mg/kg dry	0.079	2	02/01/10	kb	02/02/10	avl		
4-Chloro-3-methylphenol	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avi		
2-Methylnaphthalene	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
Hexachlorocyclopentadiene	<0.41 mg/kg dry	0.41	2	02/01/10	kb	02/02/10	avl		
2,4,6-Trichlorophenol	<0.079 mg/kg dry	0.079	2	02/01/10	kb	02/02/10	avl		
2,4,5-Trichlorophenol	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
2-Chloronaphthalene	<0.20 mg/kg dry	0.20	2	02/01/10	kb	02/02/10	avl		
O API PP	40.00 mm/lem ele-		2	00/04/40	L.E.	00/00/40	- 1		

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<0.20 mg/kg dry

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avl

avl

avl

avl

avl

avl

2-Nitroaniline

Dimethyl phthalate

Acenaphthylene

3-Nitroaniline

Acenaphthene

2,6-Dinitrotoluene



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ANALYTICAL RESULTS

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Date Collected: 01/28/10 16:10 Matrix: Soil T10A235-01 Date Received: 01/29/10 10:26 Sample ID: W19HS1-10-1 (Composite) **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS 2 02/01/10 kb 02/02/10 avl Dibenzofuran < 0.20 mg/kg dry 0.20 2 02/01/10 kb 02/02/10 2,4-Dinitrotoluene <0.20 mg/kg dry 0.20 avl 2 02/01/10 kb 02/02/10 4-Nitrophenol <1.6 mg/kg dry avl 1.6 2 02/01/10 02/02/10 2,4-Dinitrophenol <1.6 mg/kg dry kb avl 1.6 2 Diethyl phthalate <0.20 mg/kg dry 02/01/10 kb 02/02/10 avl 0.20 Fluorene <0.20 mg/kg dry 0.20 2 02/01/10 kb 02/02/10 avi 2 02/01/10 kb 02/02/10 4-Chlorophenyl phenyl ether <0.20 mg/kg dry avl 0.20 2 02/01/10 02/02/10 4-Nitroaniline < 0.20 mg/kg dry kb avl 0.20 2 02/01/10 kb 02/02/10 avl 4,6-Dinitro-2-methylphenol <0.41 mg/kg dry 0.41 2 N-Nitrosodiphenylamine <0.20 mg/kg dry 02/01/10 kb 02/02/10 avl 0.20 2 02/02/10 < 0.20 mg/kg dry 02/01/10 kb avl 4-Bromophenyl phenyl ether 0.20 2 Hexachlorobenzene <0.20 mg/kg dry 02/01/10 kb 02/02/10 avl 0.20 2 02/01/10 kb 02/02/10 Pentachlorophenol <0.86 mg/kg dry 0.86 avl 2 Phenanthrene 0.45 mg/kg dry 0.079 02/01/10 kb 02/02/10 avl 2 02/01/10 kb 02/02/10 Anthracene <0.20 mg/kg dry avl 0.20 2 Carbazole <0.20 mg/kg dry 02/01/10 kb 02/02/10 avi 0.20 2 02/02/10 Di-n-butyl phthalate <0.20 mg/kg dry 02/01/10 kb avl 0.20 **Fluoranthene** 0.44 mg/kg dry 0.079 2 02/01/10 kb 02/02/10 avi 0.40 mg/kg dry 2 02/01/10 kb 02/02/10 avl Pyrene 0.20 2 Butyl benzyl phthalate <0.20 mg/kg dry 0.20 02/01/10 kb 02/02/10 avi Benzo (a) anthracene 0.20 mg/kg dry 2 02/01/10 kb 02/02/10 avl 0.079 2 Chrysene 0.24 mg/kg dry 0.079 02/01/10 kb 02/02/10 avl 2 3,3'-Dichlorobenzidine <1.6 mg/kg dry 02/01/10 kb 02/02/10 avl Ν 1.6 Bis(2-ethylhexyl)phthalate 2.8 mg/kg dry 2 02/01/10 kb 02/02/10 avl 0.20 2 Di-n-octyl phthalate <0.20 mg/kg dry 02/01/10 kb 02/02/10 avl 0.20 2 0.21 mg/kg dry 02/01/10 kb 02/02/10 Benzo (b) fluoranthene 0.079 avi Benzo (k) fluoranthene 0.087 mg/kg dry 0.079 2 02/01/10 kb 02/02/10 avl 2 0.16 mg/kg dry 02/01/10 kb 02/02/10 avl Benzo (a) pyrene 0.079 0.10 mg/kg dry 2 02/01/10 kb 02/02/10 avl Indeno (1,2,3-cd) pyrene 0.079 2 Dibenz (a,h) anthracene <0.079 mg/kg dry 0.079 02/01/10 kb 02/02/10 avl 0.11 mg/kg dry 2 02/01/10 kb 02/02/10 avi Benzo (g,h,i) perylene 0.079 Surrogates: 67 % 2 2-Fluorophenol 38-81 02/01/10 kb 02/02/10 avl Phenol-d5 57 % 32-102 2 02/01/10 kb 02/02/10 avl 72 % 36-98 2 02/01/10 kb Nitrobenzene-d5 02/02/10 avl 64 % 44-105 2 02/01/10 kb 02/02/10 2-Fluorobiphenyl avl 73 % 2 38-101 02/01/10 kb 02/02/10 2,4,6-Tribromophenol avl

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ANALYTICAL RESULTS

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10A235-01 W19HS1-10-1 (Composi	te)			01/28/10 10		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARE	э вү	ANALYZED	BY	NOTES	MCL
SEMI-VOL	ATILE ORGANIC COM	POUNDS BY GC-MS								
Terpher	nyl-d14	76 %	46-109	2	02/01/10	kb	02/02/10	avl		
SEMI-VOL	ATILE ORGANIC COM	POUNDS, TCLP								
Analysis Me	ethod: EPA 8270C									
Batch:	T014679									
Pyridine		<0.40 mg/L	0.40	2	02/03/10	kb	02/04/10	avl		5.0
2-Methylp	henol (o-Cresol)	<0.050 mg/L	0.050	2	02/03/10	kb	02/04/10	avl		200
3,4-Methy	(Iphenol (m,p Cresol)	<0.050 mg/L	0.050	2	02/03/10	kb	02/04/10	avl		200
Hexachlo	roethane	<0.050 mg/L	0.050	2	02/03/10	kb	02/04/10	avl		3.0
Nitrobenz	ene	<0.020 mg/L	0.020	2	02/03/10	kb	02/04/10	avl		2.0
Hexachio	robutadiene	<0.050 mg/L	0.050	2	02/03/10	kb	02/04/10	avl		0.50
2,4,6-Tric	hiorophenol	<0.020 mg/L	0.020	2	02/03/10	kb	02/04/10	avi		2.0
2,4,5-Tric	hlorophenol	<0.050 mg/L	0.050	2	02/03/10	kb	02/04/10	avl		400
2,4-Dinitro	otoluene	<0.050 mg/L	0.050	2	02/03/10	kb	02/04/10	avl		0.13
Hexachio	robenzene	<0.050 mg/L	0.050	2	02/03/10	kb	02/04/10	avl		0.13
Pentachio	rophenol	<0.10 mg/L	0.10	2	02/03/10	kb	02/04/10	avl		100
Surrogate	es:									
2-Fluoro	phenol	41 %	20-53	2	02/03/10	kb	02/04/10	avl		
Phenol-	d5	25 %	11-40	2	02/03/10	kb	02/04/10	avl		
Nitrober	zene-d5	65 %	36-103	2	02/03/10	kb	02/04/10	avl		
2-Fluoro	biphenyl	63 %	36-119	2	02/03/10	kb	02/04/10	avi		
2,4,6-Tr	ibromophenol	69 %	30-105	2	02/03/10	kb	02/04/10	avl		
Terphen	yl-d14	77 %	37-109	2	02/03/10	kb	02/04/10	avl		
PESTICIDE	S/PCBS									
Analysis Me	thod: EPA 8082									
Batch: 7	T014642									
Aroclor-10	016	<0.079 mg/kg dry	0.079	1	02/01/10	kb	02/02/10	tim		
Aroclor-12	221	<0.079 mg/kg dry	0.079	1	02/01/10	kb	02/02/10	tim		
Aroclor-12	232	<0.079 mg/kg dry	0.079	1	02/01/10	kb	02/02/10	tim		
Aroclor-12	242	<0.079 mg/kg dry	0.079	1	02/01/10	kb	02/02/10	tim		
Aroclor-12	48	<0.079 mg/kg dry	0.079	1	02/01/10	kb	02/02/10	tim		
Aroclor-1	254	0.50 mg/kg dry	0.16	2	02/01/10	kb	02/03/10	tim		
Aroclor-12	260	<0.079 mg/kg dry	0.079	1	02/01/10	kb	02/02/10	tim		
Surrogate	es:									
	oro-m-xylene	57 %	40-113	1	02/01/10	kb	02/02/10	tim	N	
Decachl	orobiphenyl	48 %	32-111	1	02/01/10	kb	02/02/10	tim	N	

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ANALYTICAL RESULTS

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Client Project ID: LEC MW19HS1 Re	mediation / 6527.40								
Trace ID: T10A235-01 Sample ID: W19HS1-10-1 (Composi	te)		Collected: Received:	01/28/10 16 01/29/10 10		Matrix: Soil			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	ВҮ	ANALYZED	BY	NOTES	MCL
PESTICIDES/PCBS									
PESTICIDES/PCBS, TCLP									
Analysis Method: EPA 8081A									
Batch: T014680									
Chlordane	<0.00050 mg/L	0.00050	1	02/03/10	kb	02/05/10	tim		0.030
Endrin	<0.00010 mg/L	0.00010	1	02/03/10	kb	02/05/10	tim		0.020
gamma-BHC (Lindane)	<0.00010 mg/L	0.00010	1	02/03/10	kb	02/05/10	tim		0.40
Heptachlor	<0.00010 mg/L	0.00010	1	02/03/10	kb	02/05/10	tim		0.0080
Heptachlor epoxide	<0.00010 mg/L	0.00010	1	02/03/10	kb	02/05/10	tim		0.0080
Methoxychlor	<0.00010 mg/L	0.00010	1	02/03/10	kb	02/05/10	tim		10
Toxaphene	<0.0050 mg/L	0.0050	1	02/03/10	kb	02/05/10	tim		0.50
Surrogates:									
Tetrachloro-m-xylene	49 %	38-94	1	02/03/10	kb	02/05/10	tim	N	
Decachlorobiphenyl	52 %	40-93	1	02/03/10	kb	02/05/10	tim	N	
HERBICIDES, TCLP									
Analysis Method: EPA 8151A									
Batch: T014681									
2,4,5-T	0.0 mg/L		1	02/03/10	kb	02/05/10	tim	N	
2,4-D	<0.050 mg/L	0.050	1	02/03/10	kb	02/05/10	tim	N	10
2,4,5-TP (Silvex)	<0.025 mg/L	0.025	1	02/03/10	kb	02/05/10	tim	N	1.0
Surrogates:									
2,4-Dichlorophenylacetic acid	93 %	39-125	1	02/03/10	kb	02/05/10	tim	N	
METALS, TOTAL									
Analysis Method: EPA 6010B Batch: T014633									
Barium	190 mg/kg dry	0.97	1	02/01/10	jd	02/02/10	jlm		
Cadmium	1.4 mg/kg dry	0.97	1	02/01/10	jd jd	02/02/10	jlm		
Chromium	15 mg/kg dry	0.19	1	02/01/10	jd	02/02/10	jlm		
Copper	49 mg/kg dry	0.97	1	02/01/10	jd	02/02/10	jlm		
Lead	110 mg/kg dry	0.97 0.97	1	02/01/10	jd	02/02/10	jlm	205	
Nickel	18 mg/kg dry	0.97	1	02/01/10	jd	02/02/10	jlm		
Vanadium	49 mg/kg dry	0.97	1	02/01/10	jm	02/15/10	jlm		
· ····································	-o mg/kg diy	0.31	•	32.01710	,	J_, .J, 10	J		

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110 mg/kg dry

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0.97

1

02/01/10

jd

02/02/10

jlm

202

Zinc



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ANALYTICAL RESULTS

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A235-01 Sample ID: W19HS1-10-1 (Composite)			Collected: Received:	01/28/10 16 01/29/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	ВҮ	ANALYZED	BY	NOTES	MCL
METALS, TOTAL		<u>-</u>							
Analysis Method: EPA 6020									
Batch: T014633									
Arsenic	15 mg/kg dry	0.097	10	02/01/10	jd	02/01/10	jn	204	
Selenium	2.0 mg/kg dry	0.19	10	02/01/10	jd	02/01/10	jn	212	
Silver	0.14 mg/kg dry	0.098	10	02/03/10	jd	02/04/10	jn		
Analysis Method: EPA 7471A									
Batch: T014633									
Mercury	0.22 mg/kg dry	0.029	1	02/01/10	jd	02/01/10	jlm	212	
METALS, TCLP									
Analysis Method: EPA 6010B									
Batch: T014653									
Arsenic	<0.30 mg/L	0.30	1	02/02/10	jd	02/03/10	jlm		5.0
Barium	<1.0 mg/L	1.0	1	02/02/10	jd	02/03/10	jlm		100
Cadmium	<0.10 mg/L	0.10	1	02/02/10	jd	02/03/10	jlm		1.0
Chromium	<0.50 mg/L	0.50	1	02/02/10	jd	02/03/10	jlm		5.0
Copper	<0.50 mg/L	0.50	1	02/02/10	jd	02/03/10	jlm		
Lead	<0.50 mg/L	0.50	1	02/02/10	jd	02/03/10	jlm		5.0
Nickel	<0.50 mg/L	0.50	1	02/02/10	jd	02/03/10	jlm		
Selenium	<0.60 mg/L	0.60	1	02/02/10	jd	02/03/10	jlm		1.0
Silver	<0.10 mg/L	0.10	1	02/02/10	jd	02/03/10	jlm		5.0
Zinc	<0.50 mg/L	0.50	1	02/02/10	jd	02/03/10	jlm		
Analysis Method: EPA 7470A									
Batch: T014655									
Mercury	<0.010 mg/L	0.010	1	02/02/10	jd	02/02/10	jlm		0.20



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ANALYTICAL RESULTS

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A235-01 Date Collected: 01/28/10 16:10 Matrix: Soil Sample ID: W19HS1-10-1 (Composite) Date Received: 01/29/10 10:26 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **WET CHEMISTRY** Analysis Method: % Calculation Batch: T014647 % Solids 84 % by Wt. 02/01/10 02/02/10 0.10 1 sm sm Ν Analysis Method: EPA 1010 Batch: T014644 Flashpoint > 200 °F 1.0 02/01/10 02/01/10 Analysis Method: EPA 9012B Batch: T014856 Cyanide (total) 0.24 mg/kg dry 1 02/12/10 02/12/10 506, N 0.12 sm sm Analysis Method: EPA 9045C Batch: T014668 Corrosivity-pH 6.50 pH Units 1 02/02/10 02/02/10 Ν sm sm Analysis Method: EPA Chapter 7.3 Batch: T014723 Sulfide, Reactive <6.0 mg/kg dry 6.0 02/04/10 bd 02/04/10 bd Ν Analysis Method: EPA Chapter 7.3 Reactivity Batch: T014707 <0.50 mg/L 02/04/10 02/04/10 Ν Cyanide, Reactive 0.50 sm sm



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ANALYTICAL RESULTS

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10A235-02 W19HS1-10-1 (Grab)			Collected: Received:	01/28/10 16 01/29/10 10		Matrix: Soil			
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
VOLATILE	ORGANIC COMPOUND	OS BY GC-MS								
Analysis Me	ethod: EPA 8015									
Batch: 1	T014721									
Gasoline	Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/02/10	jp	02/03/10	jp		
Surrogate Fluorobe		106 %	80-130	50	02/02/10	jp	02/03/10	jp	N	
Analysis Me	thod: EPA 8260B									
Batch: 7	^r 014706									
Chlorome	thane	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
Bromome	thane	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
Chloroeth	ane	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
1,1-Dichlo	roethene	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
Acetone		<0.050 mg/kg dry	0.050	1	02/01/10	jp	02/01/10	jp		
Carbon di	sulfide	<0.025 mg/kg dry	0.025	1	02/01/10	jp	02/01/10	jp		
Methylene	chloride	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
trans-1,2-l	Dichloroethene	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
1,1-Dichlo	roethane	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
2-Butanon	e	<0.050 mg/kg dry	0.050	1	02/01/10	jp	02/01/10	jp		
cis-1,2-Did	chloroethene	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
Chloroforn	n	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
1,1,1-Trich	nloroethane	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
Carbon tel	trachloride	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
Benzene		<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
1,2-Dichlo	roethane	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
1,2-Dichlo	ropropane	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
Bromodich	loromethane	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
cis-1,3-Dic	chloropropene	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
4-Methyl-2	-pentanone	<0.050 mg/kg dry	0.050	1	02/01/10	jp	02/01/10	jp		
Toluene		0.054 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
1,1,2-Trich	loroethane	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
Tetrachlore	oethene	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
2-Hexanor		<0.050 mg/kg dry	0.050	1	02/01/10	jp	02/01/10	jp		
Dibromoch	loromethane	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
Chloroben	zene	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
Ethylbenze	ene	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
m,p-Xylene	е	<0.020 mg/kg dry	0.020	1	02/01/10	jp	02/01/10	jp	N	
o-Xylene		<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp	N	

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ANALYTICAL RESULTS

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A235-02 Sample ID: W19HS1-10-1 (Grab)			Collected: Received:	01/28/10 16: 01/29/10 10:		Matrix: \$	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNI	OS BY GC-MS								
Xylenes, total	<0.030 mg/kg dry	0.030	1	02/01/10	jp	02/01/10	jp	N	
Styrene	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
Bromoform	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
1,1,2,2-Tetrachloroethane	<0.010 mg/kg dry	0.010	1	02/01/10	jp	02/01/10	jp		
Surrogates: 1,2-Dichloroethane-d4	101 %	71-131	1	02/01/10	jp	02/01/10	jp		
Toluene-d8	117 %	70-130	1	02/01/10	jp	02/01/10	jp		
4-Bromofluorobenzene	122 %	65-122	1	02/01/10	jp	02/01/10	jр		
1,2-Dichlorobenzene-d4	113 %	54-134	1	02/01/10	jp	02/01/10	jp		
VOLATILE ORGANIC COMPOUND	OS, TCLP								
Analysis Method: EPA 8260B									
Batch: T014717									
Vinyl chloride	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.20
1,1-Dichloroethene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.70
2-Butanone	<0.25 mg/L	0.25	50	02/03/10	jp	02/03/10	jp		200
Chloroform	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		6.0
Carbon tetrachloride	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.50
Benzene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.50
1,2-Dichloroethane	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.50
Trichloroethene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.50
Tetrachloroethene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.70
Chlorobenzene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		100
1,4-Dichlorobenzene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		7.5
Surrogates:									
1,2-Dichloroethane-d4	103 %	70-133	50	02/03/10	jp	02/03/10	jp		
Toluene-d8	106 %	76-125	50	02/03/10	jp	02/03/10	jp		
4-Bromofluorobenzene	95 %	72-123	50	02/03/10	jp	02/03/10	jp		
1,2-Dichlorobenzene-d4	88 %	71-123	50	02/03/10	jp	02/03/10	jp		



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ANALYTICAL RESULTS

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:

T10A235-02

Date Collected:

01/28/10 16:10

Matrix: Soil

W19HS1-10-1 (Grab)

Date Received:

01/29/10 10:26

PARAMETERS

Sample ID:

RESULTS UNITS

RDL DILUTION

NOTES MCL

WET CHEMISTRY

Analysis Method: % Calculation

Batch: T014647

% Solids

86 % by Wt. 0.10

<54 mg/kg dry

02/01/10

02/02/10 sm

PREPARED BY ANALYZED BY

sm

Ν

Analysis Method: EPA 9023

Batch: T014724

Extractable Organic Halides

54

02/04/10

rbp

02/05/10

rbp

Ν



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ANALYTICAL RESULTS

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A235-03 Sample ID: W19HS1-10-2			Collected: Received:	01/28/10 16:40 01/29/10 10:26		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	вү	NOTES	MCL
VOLATILE ORGANIC COMPOUNI	OS BY GC-MS								
Analysis Method: EPA 8015 Batch: T014721									
Gasoline Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/02/10	jp	02/03/10	jp		
Surrogates: Fluorobenzene	103 %	80-130	50	02/02/10	jp	02/03/10	jp	N	
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014647									
% Solids	84 % by Wt.	0.10	1	02/01/10	sm	02/02/10	sm	N	
Analysis Method: EPA 9023									
Batch: T014724									
Extractable Organic Halides	<57 mg/kg dry	57	1	02/04/10	rbp	02/05/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A235-04 Sample ID: W19HS1-10-3		Date Collected: Date Received:		01/28/10 17:00 01/29/10 10:26		Matrix: Soil			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUND	DS BY GC-MS				_				
Analysis Method: EPA 8015									
Batch: T014721									
Gasoline Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/02/10	jp	02/03/10	jp		
Surrogates: Fluorobenzene	104 %	80-130	50	02/02/10	jp	02/03/10	jp	N	
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014647									
% Solids	85 % by Wt.	0.10	1	02/01/10	sm	02/02/10	sm	N	
Analysis Method: EPA 9023									
Batch: T014724									
Extractable Organic Halides	<59 mg/kg dry	59	1	02/04/10	rbp	02/05/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10A235-05 Sample ID: W19HS1-10-4			Collected: Received:		01/28/10 17:10 01/29/10 10:26		Soil		
PARAMETERS RESULTS UNITS		RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUN	DS BY GC-MS								
Analysis Method: EPA 8015									
Batch: T014721									
Gasoline Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/02/10	jp	02/03/10	jp		
Surrogates: Fluorobenzene	105 %	80-130	50	02/02/10	jp	02/03/10	jp	N	
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014647									
% Solids	85 % by Wt.	0.10	1	02/01/10	sm	02/02/10	sm	N	
Analysis Method: EPA 9023									
Batch: T014724									
Extractable Organic Halides	<53 mg/kg dry	53	1	02/04/10	rbp	02/05/10	rbp	N	



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QUALITY CONTROL RESULTS

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014673

T014673

QC Batch Method: Leaching proceedures

Analysis Description: TCLP Extraction, SVOC

Analysis Method: EPA 1311

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014633

QC Batch Method: EPA 3051 Microwave Assisted

Digestions for Solids

Analysis Description: Chromium, Total

Analysis Method: EPA 6010B

METHOD BLANK: T014633-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Barium	mg/kg dry	<1.0	1.0	
Cadmium	mg/kg dry	<0.20	0.20	
Chromium	mg/kg dry	<2.0	2.0	
Copper	mg/kg dry	<1.0	1.0	
Nickel	mg/kg dry	<1.0	1.0	
Lead	mg/kg dry	<1.0	1.0	
Vanadium	mg/kg dry	<1.0	1.0	
Zinc	mg/kg dry	<1.0	1.0	

LABORATORY CONTROL SAMPLE: T014633-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Barium	mg/kg dry	40.0	38.5	96	80-120	
Cadmium	mg/kg dry	40.0	38.3	96	80-120	
Chromium	mg/kg dry	40.0	38.9	97	80-120	
Copper	mg/kg dry	40.0	38.5	96	80-120	
lickel	mg/kg dry	40.0	38.3	96	80-120	
ead	mg/kg dry	40.0	38.4	96	80-120	
/anadium	mg/kg dry	40.0	40.2	100	80-120	
Zinc	mg/kg dry	40.0	38.0	95	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014633-MSD1

Original	T40/	۸ ٦	25	: ^	4
Undina	110/	42	35)-U	

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Barium	mg/kg dry	192	39.9	169	206	-60	35	75-125	-754	20	222
Cadmium	mg/kg dry	1.37	39.9	35.6	39.9	87	97	75-125	11	20	

CERTIFICATE OF ANALYSIS



Original

Result

15.5

49.0

17.9

115

48.6

105

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Spike

Conc.

39.9

39.9

39.9

39.9

39.9

39.9

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014633-MSD1

Units

mg/kg dry

mg/kg dry

mg/kg dry

mg/kg dry

mg/kg dry

mg/kg dry

D1	Original	: T10A23	5-01					
MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes	
46.1	50.6	78	88	75-125	13	20		
79.4	87.0	77	95	75-125	21	20	207	
47.0	53.4	74	89	75-125	19	20	208	
120	140	14	63	75-125	129	20	205	
	MS Result 46.1 79.4 47.0	MS MSD Result 46.1 50.6 79.4 87.0 47.0 53.4	MS Result MSD Result MS Result % Rec 46.1 50.6 78 79.4 87.0 77 47.0 53.4 74	MS Result MSD Result MS Rec MSD Rec 46.1 50.6 78 88 79.4 87.0 77 95 47.0 53.4 74 89	MS Result MSD Result MS Rec MSD Rec MSD Rec MSD Rec MSD Rec MERC MSD Rec MERC MERC MSD Rec MERC MERC Limit 46.1 50.6 78 88 75-125 79.4 87.0 77 95 75-125 47.0 53.4 74 89 75-125	MS Result MSD Result MS Rec MSD Rec MSD Rec MSD Limit RPD 46.1 50.6 78 88 75-125 13 79.4 87.0 77 95 75-125 21 47.0 53.4 74 89 75-125 19	MS Result MSD Result MS Rec MSD Rec WSD Rec WSD Rec WREC RPD MAX RPD 46.1 50.6 78 88 75-125 13 20 79.4 87.0 77 95 75-125 21 20 47.0 53.4 74 89 75-125 19 20	MS Result MSD Result MS Rec MSD Rec MSD Rec MSD Rec MSD Rec MER REC MSD Rec MSD Rec MER RED MAX RPD Notes 46.1 50.6 78 88 75-125 13 20 79.4 87.0 77 95 75-125 21 20 207 47.0 53.4 74 89 75-125 19 20 208

75-125

75-125

40

99

20

20

207

202

Trace Project ID: T10A235

81.4

115

Client Project ID: LEC MW19HS1 Remediation / 6527.40

98.4

135

QC Batch: T014653

Parameter

Chromium

Copper

Nickel

Lead

Zinc

Vanadium

QC Batch Method: EPA 3015 Microwave Assisted

Digestions for Liquids

Analysis Description: Chromium, TCLP

83

26

125

76

Analysis Method: EPA 6010B

METHOD BLANK: T014653-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Copper	mg/L	<0.50	0.50	
Nickel	mg/L	<0.50	0.50	
.ead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	
linc	mg/L	<0.50	0.50	

METHOD BLANK: T014653-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Copper	mg/L	<0.50	0.50	
lickel	mg/L	<0.50	0.50	
ead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	
inc	mg/L	<0.50	0.50	

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LABORATORY CONTROL SAMPLE: T014653-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Silver	mg/L	0.0278	<0.10	110	80-120	
Arsenic	mg/L	0.0556	<0.30	94	80-120	
Barium	mg/L	0.889	<1.0	105	80-120	
Cadmium	mg/L	0.0278	<0.10	103	80-120	
Chromium	mg/L	0.0278	<0.50	109	80-120	
Copper	mg/L	0.889	0.906	102	80-120	
Nickel	mg/L	0.889	0.932	105	80-120	
Lead	mg/L	0.0556	<0.50	107	80-120	
Selenium	mg/L	0.0556	<0.60	95	80-120	
Zinc	mg/L	0.889	0.983	111	80-120	

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014633

QC Batch Method: EPA 3051 Microwave Assisted

Digestions for Solids

Analysis Description: Arsenic, Total

Analysis Method: EPA 6020

METHOD BLANK: T014633-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Arsenic	mg/kg dry	<0.10	0.10	
Selenium	mg/kg dry	<0.20	0.20	

LABORATORY CONTROL SAMPLE: T014633-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Arsenic	mg/kg dry	5.00	4.72	94	80-120	
Selenium	mg/kg dry	5.00	4.28	86	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014633-MSD1

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Arsenic	mg/kg dry	15.4	4.99	19.3	10.4	80	-100	75-125	-1770	20	204
Selenium	mg/kg dry	1.95	4.99	5.03	2.74	62	16	75-125	119	20	212

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014682

QC Batch Method: EPA 3051 Microwave Assisted Digestion

with HCI

Analysis Description: Silver, Total Analysis Method: EPA 6020

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······································			Blank	Reporting		
Parameter	Units		Result	Limit		Notes
Silver	mg/kg dry		<0.10	0.10		
LABORATORY COI	NTROL SAMPLE: T01468	2-B\$1				
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Silver	mg/kg dry	5.00	5.13	103	80-120	
			race Project ID: T	10A235 EC MW19HS1 Remedia	ation / 6527 40	
QC Batch: T014655				sis Description: Mercur		. <u>-</u> .÷."
QC Batch Method: El	PA 7470A Prep		Analy	sis Method: EPA 7470	A	
METHOD BLANK: T	T014655-BLK1					
Parameter	Units		Blank Result	Reporting Limit		Notes
Mercury	mg/L		<0.010	0.010		
METHOD BLANK: T	⁻ 014655-BLK2					
Parameter	Units		Blank Result	Reporting Limit		Notes
Mercury	mg/L		<0.010	0.010		
LABORATORY COM	NTROL SAMPLE: T01465	5-BS1				
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	mg/L	0.00200	<0.010	108	80-120	
			race Project ID: T1 lient Project ID: LE	0A235 C MW19HS1 Remedia	tion / 6527.40	
QC Batch: T014633			Analy	sis Description: Mercury	y, Total, EPA 7470/7471	
QC Batch Method: EF Digestions for Solids	PA 3051 Microwave Assisted		Analy:	sis Method: EPA 7471/	A	
METHOD BLANK: T	014633-BLK1					
Parameter	Units		Blank Result	Reporting Limit	· · · · · · · · · · · · · · · · · · ·	Notes
Mercury	mg/kg dry		<0.050	0.050		
	ITROL SAMPLE: T01463;	R.RS1				
		Spike	LCS	LCS	% Rec	
Parameter	Linite	Conc	Result	% Rec	£ 5	Notes

CERTIFICATE OF ANALYSIS

Conc.

Result

Units

Parameter

Notes

Limit

% Rec



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LABORATORY CONTROL SAMPLE: T014633-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	mg/kg dry	0.200	0.180	90	77-122	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014633-MSD1

Original: **T10A235-01**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Mercury	ma/ka dry	0.220	0.199	0.321	0.279	51	30	76-123	54	20	212

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014656
QC Batch Method: Leaching proceedures

Analysis Description: TCLP Extraction, Metals

Analysis Method: EPA 1311

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014674

Analysis Description: TCLP ZHE, Volatiles

QC Batch Method: Leaching proceedures

Analysis Method: EPA 1311

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014680

Analysis Description: TCLP Pesticides

QC Batch Method: EPA 3510C Separatory Funnel

Liquid-Liquid Extr.

Analysis Method: EPA 8081A

METHOD BLANK: T014680-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Chlordane	mg/L	<0.000050	0.000050	
Endrin	mg/L	<0.000010	0.000010	
gamma-BHC (Lindane)	mg/L	<0.000010	0.000010	
Heptachlor	mg/L	<0.000010	0.000010	
Heptachlor epoxide	mg/L	<0.000010	0.000010	
Methoxychlor	mg/L	<0.000010	0.000010	
Toxaphene	mg/L	< 0.00050	0.00050	
Tetrachloro-m-xylene (S)	%	74	38-94	
Decachlorobiphenyl (S)	%	74	40-93	

LABORATORY CONTROL SAMPLE: T014680-BS1

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limit	Notes



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LABORATORY CONTROL SAMPLE: T014680-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Endrin	mg/L	0.0000500	0.0000367	73	31-145	
gamma-BHC (Lindane)	mg/L	0.0000500	0.0000356	71	38-125	
Heptachlor	mg/L	0.0000500	0.0000351	70	34-124 `	
Heptachlor epoxidemg	/L	0.0000500	0.0000409	82	35-125	
Methoxychlor	mg/L	0.0000500	0.0000354	71	54-109	
Tetrachloro-m-xylene (S)	%	0.000100	0.0000638	64	38-94	
Decachlorobiphenyl (S)	%	0.000100	0.0000681	68	40-93	

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014642

QC Batch Method: EPA 3540C Soxhlet Extraction

Analysis Description: PCBs

Analysis Method: EPA 8082

METHOD BLANK: T014642-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Aroclor-1016	mg/kg wet	<0.33	0.33	
Aroclor-1221	mg/kg wet	< 0.33	0.33	
Aroclor-1232	mg/kg wet	<0.33	0.33	
Aroclor-1242	mg/kg wet	< 0.33	0.33	
Aroclor-1248	mg/kg wet	< 0.33	0.33	
Aroclor-1254	mg/kg wet	< 0.33	0.33	
Aroclor-1260	mg/kg wet	< 0.33	0.33	
Tetrachloro-m-xylene (S)	%	56	40-113	
Decachlorobiphenyl (S)	%	56	32-111	

LABORATORY CONTROL SAMPLE: T014642-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Aroclor-1016	mg/kg wet	0.667	0.357	54	51-110	
Aroclor-1260	mg/kg wet	0.667	0.396	59	49-110	
Tetrachloro-m-xylene (S)	%	0.0333	0.0203	61	40-113	
Decachlorobiphenyl (S)	%	0.0333	0.0221	66	32-111	

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014681 QC Batch Method: EPA 8151 Analysis Description: TCLP Herbicides Analysis Method: EPA 8151A



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METHOD BLANK: T014681-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
2,4-D	mg/L	<0.0020	0.0020	
2,4,5-TP (Silvex)	mg/L	<0.0010	0.0010	
2,4-Dichlorophenylacetic acid (S)	%	90	39-125	

LABORATORY CONTROL SAMPLE: T014681-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2,4-D	mg/L	0.00400	0.00314	78	40-129	
2,4,5-TP (Silvex)	mg/L	0.00400	0.00308	77	56-121	
2,4-Dichlorophenylacetic acid (S)	%	0.00800	0.00661	83	39-125	

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014636

QC Batch Method: EPA 3550B Ultrasonic Extraction

Analysis Description: Semi-volatiles, TCL list

Analysis Method: EPA 8270C

METHOD BLANK: T014636-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Bis(2-chloroethyl)ether	mg/kg wet	<0.033	0.033	
2-Chlorophenoi	mg/kg wet	<0.083	0.083	
Phenol	mg/kg wet	<0.083	0.083	
1,3-Dichlorobenzene	mg/kg wet	<0.083	0.083	
1,4-Dichlorobenzene	mg/kg wet	<0.083	0.083	
1,2-Dichlorobenzene	mg/kg wet	<0.083	0.083	
Benzyl alcohol	mg/kg wet	<0.66	0.66	
Bis(2-chloroisopropyl)ether	mg/kg wet	<0.083	0.083	
2-Methylphenol (o-Cresol)	mg/kg wet	<0.083	0.083	
3,4-Methylphenol (m,p Cresol)	mg/kg wet	<0.083	0.083	
N-Nitrosodi-n-propylamine	mg/kg wet	<0.083	0.083	
Hexachloroethane	mg/kg wet	<0.083	0.083	
Nitrobenzene	mg/kg wet	< 0.033	0.033	
Isophorone	mg/kg wet	<0.083	0.083	
2-Nitrophenol	mg/kg wet	<0.083	0.083	
2,4-Dimethylphenol	mg/kg wet	<0.083	0.083	
Bis(2-chloroethoxy)methane	mg/kg wet	<0.083	0.083	
Benzoic acid	mg/kg wet	<1.2	1.2	
1,2,4-Trichlorobenzene	mg/kg wet	<0.083	0.083	
2,4-Dichlorophenol	mg/kg wet	<0.083	0.083	
Naphthalene	mg/kg wet	<0.083	0.083	
4-Chloroaniline	mg/kg wet	<0.083	0.083	
Hexachlorobutadiene	mg/kg wet	<0.033	0.033	
4-Chloro-3-methylphenol	mg/kg wet	<0.083	0.083	

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METHOD BLANK: T014636-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
2-Methylnaphthalene	mg/kg wet	<0.083	0.083	
lexachlorocyclopentadiene	mg/kg wet	<0.17	0.17	
.,4,6-Trichlorophenol	mg/kg wet	<0.033	0.033	
2,4,5-Trichlorophenol	mg/kg wet	<0.083	0.083	
2-Chloronaphthalene	mg/kg wet	<0.083	0.083	
2-Nitroaniline	mg/kg wet	<0.083	0.083	
Dimethyl phthalate	mg/kg wet	<0.083	0.083	
cenaphthylene	mg/kg wet	<0.083	0.083	
,6-Dinitrotoluene	mg/kg wet	<0.083	0.083	
3-Nitroaniline	mg/kg wet	<0.083	0.083	
cenaphthene	mg/kg wet	<0.083	0.083	
ibenzofuran	mg/kg wet	<0.083	0.083	
,4-Dinitrotoluene	mg/kg wet	<0.083	0.083	
-Nitrophenol	mg/kg wet	<0.67	0.67	
,4-Dinitrophenol	mg/kg wet	<0.67	0.67	
eiethyl phthalate	mg/kg wet	<0.083	0.083	
luorene	mg/kg wet	<0.083	0.083	
-Chlorophenyl phenyl ether	mg/kg wet	<0.083	0.083	
-Nitroaniline	mg/kg wet	<0.083	0.083	
,6-Dinitro-2-methylphenol	mg/kg wet	<0.17	0.17	
-Nitrosodiphenylamine	mg/kg wet	<0.083	0.083	
-Bromophenyl phenyl ether	mg/kg wet	<0.083	0.083	
exachlorobenzene	mg/kg wet	<0.083	0.083	
entachlorophenol	mg/kg wet	<0.36	0.36	
henanthrene	mg/kg wet	<0.033	0.033	
nthracene	mg/kg wet	<0.083	0.083	
arbazole	mg/kg wet	<0.083	0.083	
i-n-butyl phthalate	mg/kg wet	<0.083	0.083	
luoranthene	mg/kg wet	<0.033	0.033	
yrene	mg/kg wet	<0.083	0.083	
utyl benzyl phthalate	mg/kg wet	<0.083	0.083	
enzo (a) anthracene	mg/kg wet	<0.033	0.033	
hrysene	mg/kg wet	<0.033	0.033	
3'-Dichlorobenzidine	mg/kg wet	<0.66	0.66	
is(2-ethylhexyl)phthalate	mg/kg wet	<0.083	0.083	
i-n-octyl phthalate	mg/kg wet	<0.083	0.083	
enzo (b) fluoranthene	mg/kg wet	<0.033	0.033	
enzo (k) fluoranthene	mg/kg wet	<0.033	0.033	
enzo (a) pyrene	mg/kg wet	<0.033	0.033	
deno (1,2,3-cd) pyrene	mg/kg wet	< 0.033	0.033	
benz (a,h) anthracene	mg/kg wet	< 0.033	0.033	
enzo (g,h,i) perylene	mg/kg wet	< 0.033	0.033	
Fluorophenol (S)	%	68	38-81	
henol-d5 (S)	%	61	32-102	
itrobenzene-d5 (S)	%	73	36-98	



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METHOD BLANK: T014636-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
2-Fluorobiphenyl (S)	%	62	44-105	
2,4,6-Tribromophenol (S)	%	71	38-101	
Terphenyl-d14 (S)	%	74	46-109	

LABORATORY CONTROL SAMPLE: T014636-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2-Chlorophenol	mg/kg wet	3.40	2.10	62	49-93	
Phenol	mg/kg wet	3.33	1.86	56	40-90	
1,4-Dichlorobenzene	mg/kg wet	1.75	1.05	60	37-106	
N-Nitrosodi-n-propylamine	mg/kg wet	1.49	0.972	65	51-106	
1,2,4-Trichlorobenzene	mg/kg wet	1.82	1.11	61	49-100	
4-Chloro-3-methylphenol	mg/kg wet	3.47	2.28	66	50-96	
Acenaphthene	mg/kg wet	1.75	1.05	60	52-105	
2,4-Dinitrotoluene	mg/kg wet	1.70	0.987	58	51-108	
4-Nitrophenol	mg/kg wet	3.33	1.70	51	22-112	
Pentachlorophenol	mg/kg wet	3.43	2.02	59	30-111	
Pyrene	mg/kg wet	1.75	1.15	66	47-114	
2-Fluorophenol (S)	%	3.33	2.15	64	38-81	
Phenol-d5 (S)	%	3.33	2.07	62	32-102	
Nitrobenzene-d5 (S)	%	3.33	2.30	69	36-98	
2-Fluorobiphenyl (S)	%	3.33	2.01	60	44-105	
2,4,6-Tribromophenol (S)	%	3.33	2.31	69	38-101	
Terphenyl-d14 (S)	%	3.33	2.35	71	46-109	

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014679

QC Batch Method: EPA 3510C Separatory Funnel

Liquid-Liquid Extr.

Analysis Description: TCLP Semi-Volatiles

Analysis Method: EPA 8270C

METHOD BLANK: T014679-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Pyridine	mg/L	<0.020	0.020	
2-Methylphenol (o-Cresol)	mg/L	<0.0025	0.0025	
3,4-Methylphenol (m,p Cresol)	mg/L	<0.0025	0.0025	
Hexachloroethane	mg/L	<0.0025	0.0025	
Nitrobenzene	mg/L	<0.0010	0.0010	
Hexachlorobutadiene	mg/L	<0.0025	0.0025	
2,4,6-Trichlorophenol	mg/L	<0.0010	0.0010	
2,4,5-Trichlorophenol	mg/L	<0.0025	0.0025	
2,4-Dinitrotoluene	mg/L	<0.0025	0.0025	

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METHOD BLANK: T014679-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Hexachlorobenzene	mg/L	<0.0025	0.0025	
Pentachlorophenol	mg/L	<0.0050	0.0050	
2-Fluorophenol (S)	%	35	20-53	
Phenol-d5 (S)	%	21	11-40	
Nitrobenzene-d5 (S)	%	60	36-103	
2-Fluorobiphenyl (S)	%	56	36-119	
2,4,6-Tribromophenol (S)	%	65	30-105	
Terphenyl-d14 (S)	%	68	37-109	

LABORATORY CONTROL SAMPLE: T014679-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2,4-Dinitrotoluene	mg/L	0.0510	0.0355	70	39-105	
Pentachlorophenol	mg/L	0.103	0.0794	77	38-102	
2-Fluorophenol (S)	%	0.100	0.0413	41	20-53	
Phenol-d5 (S)	%	0.100	0.0259	26	11-40	
Nitrobenzene-d5 (S)	%	0.100	0.0712	71	36-103	
2-Fluorobiphenyl (S)	%	0.100	0.0700	70	36-119	
2,4,6-Tribromophenol (S)	%	0.100	0.0847	85	30-105	
Terphenyl-d14 (S)	%	0.100	0.0896	90	37-109	

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014721

QC Batch Method: SW846 5035 Purge-and-Trap for Solids

and Wastes

Analysis Description: Gasoline Range Organics

Analysis Method: EPA 8015

METHOD BLANK: T014721-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Gasoline Range Organics (TPH)	mg/kg wet	<4.0	4.0	
Fluorobenzene (S)	%	102	80-130	

LABORATORY CONTROL SAMPLE: T014721-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Gasoline Range Organics (TPH)	mg/kg wet	20.0	21.1	105	80-120	
Fluorobenzene (S)	%	100	96.9	97	80-130	



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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014721-MSD1

Origina	ŀ	T10	Δ2 3	5_02

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Gasoline Range Organics (TPH)	mg/kg dry	2.32	20.5	24.0	23.6	106	104	80-120	2	20	
Fluorobenzene (S)	%		100	102	100	102	100	80-130			

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014706

QC Batch Method: EPA 5035 Purge-and-Trap for Solids and

Wastes

Analysis Description: Volatiles, Full MDEQ+ List

Analysis Method: EPA 8260B

METHOD BLANK: T014706-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Chloromethane	mg/kg wet	<0.0050	0.0050	
Bromomethane	mg/kg wet	<0.0050	0.0050	
Chloroethane	mg/kg wet	<0.0050	0.0050	
1,1-Dichloroethene	mg/kg wet	<0.0050	0.0050	
Acetone	mg/kg wet	< 0.050	0.050	
Carbon disulfide	mg/kg wet	<0.025	0.025	
Methylene chloride	mg/kg wet	<0.0050	0.0050	
rans-1,2-Dichloroethene	mg/kg wet	<0.0050	0.0050	
,1-Dichloroethane	mg/kg wet	<0.0050	0.0050	
?-Butanone	mg/kg wet	<0.050	0.050	
is-1,2-Dichloroethene	mg/kg wet	<0.0050	0.0050	
Chloroform	mg/kg wet	<0.0050	0.0050	
,1,1-Trichloroethane	mg/kg wet	<0.0050	0.0050	
arbon tetrachloride	mg/kg wet	<0.0050	0.0050	
Benzene	mg/kg wet	<0.0050	0.0050	
,2-Dichloroethane	mg/kg wet	<0.0050	0.0050	
,2-Dichloropropane	mg/kg wet	<0.0050	0.0050	
romodichloromethane	mg/kg wet	<0.0050	0.0050	
is-1,3-Dichloropropene	mg/kg wet	<0.0050	0.0050	
-Methyl-2-pentanone	mg/kg wet	<0.050	0.050	
oluene	mg/kg wet	<0.0050	0.0050	
,1,2-Trichloroethane	mg/kg wet	<0.0050	0.0050	
etrachloroethene	mg/kg wet	<0.0050	0.0050	
-Hexanone	mg/kg wet	<0.050	0.050	
ibromochloromethane	mg/kg wet	<0.0050	0.0050	
hlorobenzene	mg/kg wet	<0.0050	0.0050	
thylbenzene	mg/kg wet	<0.0050	0.0050	
,p-Xylene	mg/kg wet	<0.010	0.010	
Xylene	mg/kg wet	<0.0050	0.0050	
ylenes, total	mg/kg wet	<0.015	0.015	
tyrene	mg/kg wet	<0.0050	0.0050	
romoform	mg/kg wet	<0.0050	0.0050	
,1,2,2-Tetrachloroethane	mg/kg wet	<0.0050	0.0050	

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METHOD BLANK: T014706-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
1,2-Dichloroethane-d4 (S)	%	97	71-131	
Toluene-d8 (S)	%	97	70-130	
4-Bromofluorobenzene (S)	%	94	65-122	
1,2-Dichlorobenzene-d4 (S)	%	94	54-134	

LABORATORY CONTROL SAMPLE: T014706-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,1-Dichloroethene	mg/kg wet	0.100	0.105	105	65-144	
Benzene	mg/kg wet	0.100	0.102	102	65-129	
Toluene	mg/kg wet	0.100	0.0989	99	61-129	
Chlorobenzene	mg/kg wet	0.100	0.0974	97	63-123	
1,2-Dichloroethane-d4 (S)	%	30.0	28.6	95	71-131	
Toluene-d8 (S)	%	30.0	29.0	97	70-130	
4-Bromofluorobenzene (S)	%	30.0	27.8	93	65-122	
1,2-Dichlorobenzene-d4 (S)	%	30.0	28.8	96	54-134	

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014717

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous

Samples

Analysis Description: TCLP Volatiles

Analysis Method: EPA 8260B

METHOD BLANK: T014717-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Vinyl chloride	mg/L	<0.0010	0.0010	
1,1-Dichloroethene	mg/L	<0.0010	0.0010	`
2-Butanone	mg/L	<0.0050	0.0050	
Chloroform	mg/L	<0.0010	0.0010	
Carbon tetrachloride	mg/L	<0.0010	0.0010	
Benzene	mg/L	<0.0010	0.0010	
1,2-Dichloroethane	mg/L	<0.0010	0.0010	
Trichloroethene	mg/L	<0.0010	0.0010	
Tetrachloroethene	mg/L	<0.0010	0.0010	
Chlorobenzene	mg/L	<0.0010	0.0010	
I,4-Dichlorobenzene	mg/L	<0.0010	0.0010	•
1,2-Dichloroethane-d4 (S)	%	102	70-133	
Toluene-d8 (S)	%	105	76-125	
I-Bromofluorobenzene (S)	%	97	72-123	
,2-Dichlorobenzene-d4 (S)	%	90	71-123	



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LABORATORY CONTROL SAMPLE: T014717-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Vinyl chloride	mg/L	0.0200	0.0187	94	47-184	
1,1-Dichloroethene	mg/L	0.0200	0.0187	93	64-156	
2-Butanone	mg/L	0.0200	0.0170	85	70-130	
Chloroform	mg/L	0.0200	0.0195	97	80-120	
Carbon tetrachloride	mg/L	0.0200	0.0181	90	79-141	
Benzene	mg/L	0.0200	0.0193	97	80-120	
1,2-Dichloroethane	mg/L	0.0200	0.0205	103	80-120	
Trichloroethene	mg/L	0.0200	0.0194	97	69-133	
Tetrachloroethene	mg/L	0.0200	0.0175	87	70-120	
Chlorobenzene	mg/L	0.0200	0.0181	91	80-120	
1,4-Dichlorobenzene	mg/L	0.0200	0.0180	90	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	45.8	102	70-133	
Toluene-d8 (S)	%	45.0	44.9	100	76-125	
4-Bromofluorobenzene (S)	%	45.0	44.7	99	72-123	
1,2-Dichlorobenzene-d4 (S)	%	45.0	42.8	95	71-123	

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014647 Analysis Description: Solids, Dry Weight

QC Batch Method: % Solids Analysis Method: % Calculation

SAMPLE DUPLICATE: T014647-DUP1 Original: T10A235-01

Parameter	Units	Original Result	DUP Result	Max RPD RPD	Notes
% Solids	% by Wt.	83.6	84.2	0.7 20	

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014644 Analysis Description: Flash Point (Ignitability)

QC Batch Method: EPA 1010 Analysis Method: EPA 1010

LABORATORY CONTROL SAMPLE: T014644-BS1

		Spike	LCS	LCS	% Rec	<u>-</u> ·
Parameter	Units	Conc.	Result	% Rec	Limit	Notes

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014856 Analysis Description: Cyanide, Total QC Batch Method: EPA 9012B Analysis Method: EPA 9012B

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METHOD BLANK: T014856-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Cyanide (total)	mg/kg wet	<0.12	0.12	

LABORATORY CONTROL SAMPLE: T014856-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Cyanide (total)	mg/kg wet	4.00	3.58	89	81-111	

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014724 Analysis Description: Halides, Total
QC Batch Method: EPA 9023 Analysis Method: EPA 9023

METHOD BLANK: T014724-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Extractable Organic Halides	mg/kg wet	<50	50	

LABORATORY CONTROL SAMPLE: T014724-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Extractable Organic Halides	mg/kg wet	500	399	80	70-124	

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014668 Analysis Description: Corrosivity (pH for waste), 9040/9045
QC Batch Method: EPA 9045C Analysis Method: EPA 9045C

SAMPLE DUPLICATE: T014668-DUP1 Original: T10A235-01

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Corrosivity-pH	pH Units	6.50	6.65	2	200	

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014723 Analysis Description: Reactivity - Sulfide
QC Batch Method: EPA Chapter 7.3 Analysis Method: EPA Chapter 7.3



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METHOD BLANK: T014723-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Sulfide, Reactive	mg/kg wet	<5.0	5.0	

LABORATORY CONTROL SAMPLE: T014723-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Sulfide, Reactive	mg/kg wet	5.00	<5.0	82	74-126	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014723-MSD1 Origin

Original: T1	0A235-01
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Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Sulfide, Reactive	mg/kg dry	0.362	5.87	5.36	5.16	84	82	52-115	2	27	

Trace Project ID: T10A235

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014707

QC Batch Method: EPA Chapter 7.3 Reactivity

Analysis Description: Reactivity - Cyanide

Analysis Method: EPA Chapter 7.3 Reactivity

METHOD BLANK: T014707-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Cyanide, Reactive	mg/L	<0.50	0.50	

LABORATORY CONTROL SAMPLE: T014707-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Cyanide, Reactive	mg/L	0.200	<0.50	96	79-121	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014707-MSD1

Origina	l:	T 1	OA	۱23	5-0	21
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Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Cyanide, Reactive	mg/L	0	1.96	1.89	1.88	94	96	71-128	1	7.2	

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-	Project	Name: LEC	MW19	HS/	REMEDI	MIDN	Sampled by	y: <u> </u>	<u>sp</u>		_				_	_	-,-,	LYSIS	RE	QUES	STED	7 7	7 	/ - 	_
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Bill To	City, Sta	ate, Zip Code _		140	ISON,	W/								/ /	/	/ ((k).		%	/.,	Signif So	Y	Ì	th Haz
_	Attn:	Atth: Phone: Fax:						=				HE			Y,		رن لورکز					9 Неа			
	TRACE NO.	DATE	TIME	METALS FIELD FILTERED		CLIENT S	SAMPLE ID			MATRIX	NUMBER OF CONTAINERS	/1	Dy V	O No) } } } } }	right,	12 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 (3) 2 (3)	رطا مرطا		4 77 V/3	REM	ARKS		Possible Health Hazard
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		1-28-16	1640	pla		si - 10-2				5	2	×	×									GmB			
for Analytical	04	1-28-10	1700	NA		1-10-3				5	2	×	×									600			
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In executing this agreement, the client/acknowledges acceptance of the terms of the agreement as listed on the reverse side.



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SAMPLE LOG IN CHECKLIST

Date: 1-29-10 Client Name: R	MT # of Coolers: /
Trace ID #: T 10 A 2 35 Project Name:	Cooler #s:
Logged in by:	Cooler #s:
	er Receipt
Trace courie Cooler/samples delivered by: Hand delivered	
Commercial courie	
Did cooler come with a bill of lading?	- <u> </u>
Yes	
COC Seals present and intact on cooler? No Yes	Not Applicable
Custody seals signed by Client? No	Client custody seal # (if applicable):
Yes	
Coolant an	d Temperature
Type of Coolant Used	Cooler Temperature Correction Factor -0 / °C
Yes No	Date: <u>/ ~ 29 ~ 10</u> Time: <u>/ 0 ! 2</u> 5
Slurry w/ crushed, cubed, or chip ice?	Temperature Blank: <u>°C</u>
Multiple bags of ice around samples?	Range of 3 samples: 3 °C
ice Packs/ Blue ice :	Melt Water:°C
No Coolant Present:	Ice still present upon receipt: Yes No
G	eneral
	Yes No NA
COC taped to inside of	cooler lid?
	condition?
	lastic bag?
All bottle labels agree with Chain of Custo	ompletely?
Sufficient sample to run tests r	SUMMANDA PARTICULAR STATE OF THE STATE OF TH
pH checked and samples at o	
Correct preservative added to	
DRO/GRO samples received and appropriate check in form o	
Air bubbles absent fr	om VOAs?
COC filled out properly and signed	to any and the state of the sta
COC signed in by TRACE sample	
Was project manager called and samples of	iscussed?
Contact:	Date:
Notes: SAMDIR WIRIS - 10-/ 1	+ 14:40 LAbeleD WRONG

Rev.8 11/21/06

LOGIN4

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February 16, 2010

Ms. Jennifer Overvoorde RMT, Inc. 2025 E. Beltline Ave. SE Suite 402 Grand Rapids, MI 49546

Phone: (616) 975-5415 Fax: (616) 975-1098

RE: Trace Project

T10B015

Client Project

LEC MW19HS1 Remediation / 6527.40

Dear Ms. Overvoorde:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink

Project Manager

Enclosures





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SAMPLE SUMMARY

Trace Project ID:

T10B015

Client Project ID:

LEC MW19HS1 Remediation / 6527.40

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T10B015-01	W19HS1-10-5	Soil	sp	01/29/10 12:00	02/02/10 10:24
T10B015-02	W19HS1-10-6	Soil	sp	01/29/10 14:00	02/02/10 10:24
T10B015-03	W19HS1-10-7-Composite	Soil	sp	02/01/10 09:15	02/02/10 10:24
T10B015-04	W19HS1-10-8	Soil	sp	02/01/10 09:30	02/02/10 10:24
T10B015-05	W19HS1-10-9	Soil	sp	02/01/10 14:45	02/02/10 10:24
T10B015-06	Trip Blank	Water	Client	01/11/10	02/02/10 10:24
T10B015-07	W19HS1-10-7-Grab	Soil	sp	02/01/10 09:15	02/02/10 10:24



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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate
RPD Relative Percent Difference

DUP Matrix Duplicate

RDL Reporting Detection Limit
MCL Maximum Contamination Limit
TIC Tentatively Identified Compound

<, ND or U Indicates the compound was analyzed for but not detected

Indicates a result that exceeds its associated MCL or Surrogate control limits

N Indicates that the compound has not been evaluated by NELAC

NA Indicates that the compound is not available.

DATA QUALIFIERS

Trace ID: T10B015-03



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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

the science of compliance

Trace ID: T10B015-01 Sample ID: W19HS1-10-5	DEGLII TO LINITO		Collected: Received:	01/29/10 12 02/02/10 10		Matrix:	Matrix: Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUND	S BY GC-MS				_				
Analysis Method: EPA 8015 Batch: T014783									
Gasoline Range Organics (TPH)	5.2 mg/kg dry	4.0	50	02/05/10	jp	02/06/10	jp		
Surrogates: Fluorobenzene	104 %	80-130	50	02/05/10	jp	02/06/10	jp	N	
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014662									
% Solids	87 % by Wt.	0.10	1	02/02/10	sm	02/03/10	sm	N	
Analysis Method: EPA 9023									
Batch: T014724									
Extractable Organic Halides	71 mg/kg dry	56	1	02/04/10	rbp	02/05/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B015-02 Sample ID: W19HS1-10-6			Collected:	01/29/10 14:00 02/02/10 10:24		Matrix: Soil			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	вү	NOTES	MCL
VOLATILE ORGANIC COMPOUND	OS BY GC-MS								
Analysis Method: EPA 8015									
Batch: T014783									
Gasoline Range Organics (TPH)	25 mg/kg dry	4.0	50	02/05/10	jp	02/06/10	jp		
Surrogates: Fluorobenzene	106 %	80-130	50	02/05/10	jp	02/06/10	ąį	N	
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014662									
% Solids	88 % by Wt.	0.10	1	02/02/10	sm	02/03/10	sm	N	
Analysis Method: EPA 9023									
Batch: T014724									
Extractable Organic Halides	220 mg/kg dry	55	1	02/04/10	rbp	02/05/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID:

Trace ID: T10B015-03		Date	Collected:	02/01/10 09	:15	Matrix:	Soil		
Sample ID: W19HS1-10-7-Composi	te	Date	Received:	02/02/10 10	:24				
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
SEMI-VOLATILE ORGANIC CON	POUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T014660									
Bis(2-chloroethyl)ether	<0.19 mg/kg dry	0.19	5	02/02/10	kb	02/03/10	avl		
2-Chlorophenol	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Phenol	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
1,3-Dichlorobenzene	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
1,4-Dichlorobenzene	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
1,2-Dichlorobenzene	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Benzyl alcohol	<3.9 mg/kg dry	3.9	5	02/02/10	kb	02/03/10	avl		
Bis(2-chloroisopropyl)ether	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
2-Methylphenol (o-Cresol)	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
3,4-Methylphenol (m,p Cresol)	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
N-Nitrosodi-n-propylamine	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Hexachloroethane	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Nitrobenzene	<0.19 mg/kg dry	0.19	5	02/02/10	kb	02/03/10	avi		
Isophorone	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
2-Nitrophenol	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
2,4-Dimethylphenol	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Bis(2-chloroethoxy)methane	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Benzoic acid	<7.1 mg/kg dry	7.1	5	02/02/10	kb	02/03/10	avl		
1,2,4-Trichlorobenzene	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
2,4-Dichlorophenol	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Naphthalene	0.56 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
4-Chloroaniline	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Hexachlorobutadiene	<0.19 mg/kg dry	0.19	5	02/02/10	kb	02/03/10	avl		
4-Chloro-3-methylphenol	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
2-Methylnaphthalene	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Hexachlorocyclopentadiene	<1.0 mg/kg dry	1.0	5	02/02/10	kb	02/03/10	avl		
2,4,6-Trichlorophenol	<0.19 mg/kg dry	0.19	5	02/02/10	kb	02/03/10	avi		
2,4,5-Trichlorophenol	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
2-Chloronaphthalene	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avi		
2-Nitroaniline	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avi		
Dimethyl phthalate	<0.49 mg/kg dry		5	02/02/10	kb	02/03/10	avi		
Acenaphthylene	<0.49 mg/kg dry	0.49	5	02/02/10		02/03/10			
2,6-Dinitrotoluene	<0.49 mg/kg dry	0.49			kb kb		avl		
		0.49	5 5	02/02/10	kb kb	02/03/10	avl		
3-Nitroaniline	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		

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<0.49 mg/kg dry

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0.49

5

02/02/10

kb

02/03/10

avl

Acenaphthene



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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B015-03 Sample ID: W19HS1-10-7-Compos	site		Collected: Received:	02/01/10 09 02/02/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
SEMI-VOLATILE ORGANIC COI	MPOUNDS BY GC-MS								
Dibenzofuran	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
2,4-Dinitrotoluene	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
4-Nitrophenol	<3.9 mg/kg dry	3.9	5	02/02/10	kb	02/03/10	avl		
2,4-Dinitrophenol	<3.9 mg/kg dry	3.9	5	02/02/10	kb	02/03/10	avl		
Diethyl phthalate	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Fluorene	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
4-Chlorophenyl phenyl ether	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
4-Nitroaniline	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avi		
4,6-Dinitro-2-methylphenol	<1.0 mg/kg dry	1.0	5	02/02/10	kb	02/03/10	avl		
N-Nitrosodiphenylamine	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
4-Bromophenyl phenyl ether	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Hexachlorobenzene	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avi		
Pentachlorophenol	<2.1 mg/kg dry	2.1	5	02/02/10	kb	02/03/10	avl		
Phenanthrene	<0.19 mg/kg dry	0.19	5	02/02/10	kb	02/03/10	avl		
Anthracene	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Carbazole	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Di-n-butyl phthalate	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Fluoranthene	<0.19 mg/kg dry	0.19	5	02/02/10	kb	02/03/10	avl		
Pyrene	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Butyl benzyl phthalate	0.70 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Benzo (a) anthracene	<0.19 mg/kg dry	0.19	5	02/02/10	kb	02/03/10	avl		
Chrysene	<0.19 mg/kg dry	0.19	5	02/02/10	kb	02/03/10	avl		
3,3'-Dichlorobenzidine	<3.9 mg/kg dry	3.9	5	02/02/10	kb	02/03/10	avl	N	
Bis(2-ethylhexyl)phthalate	24 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avi		
Di-n-octyl phthalate	<0.49 mg/kg dry	0.49	5	02/02/10	kb	02/03/10	avl		
Benzo (b) fluoranthene	<0.19 mg/kg dry	0.19	5	02/02/10	kb	02/03/10	avl		
Benzo (k) fluoranthene	<0.19 mg/kg dry	0.19	5	02/02/10	kb	02/03/10	avl		
Benzo (a) pyrene	<0.19 mg/kg dry	0.19	5	02/02/10	kb	02/03/10	avi		
Indeno (1,2,3-cd) pyrene	<0.19 mg/kg dry	0.19	5	02/02/10	kb	02/03/10	avi		
Dibenz (a,h) anthracene	<0.19 mg/kg dry	0.19	5	02/02/10	kb	02/03/10	avl		
Benzo (g,h,i) perylene	<0.19 mg/kg dry	0.19	5	02/02/10	kb	02/03/10	avl		
Surrogates:		0.10	•						
2-Fluorophenol	60 %	38-81	5	02/02/10	kb	02/03/10	avl		
Phenol-d5	46 %	32-102	5	02/02/10	kb	02/03/10	avl		
Nitrobenzene-d5	65 %	36-98	5	02/02/10	kb	02/03/10	avi		
2-Fluorobiphenyl	66 %	44-105	5	02/02/10	kb	02/03/10	avl		
2,4,6-Tribromophenol	58 %	38-101	5	02/02/10	kb	02/03/10	avl		

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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:	T10B015-03 W19HS1-10-7-Composit	e		Collected: Received:	02/01/10 09 02/02/10 10		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
SEMI-VOL	ATILE ORGANIC COM	POUNDS BY GC-MS	_			_				
Terpher	nyl-d14	70 %	46-109	5	02/02/10	kb	02/03/10	avl		
SEMI-VOL	ATILE ORGANIC COM	POUNDS, TCLP								
Analysis Me	thod: EPA 8270C									
Batch: T	T014679									
Pyridine		<0.40 mg/L	0.40	2	02/03/10	kb	02/04/10	avl		5.0
2-Methylp	henol (o-Cresol)	<0.050 mg/L	0.050	2	02/03/10	kb	02/04/10	avl		200
3,4-Methy	Iphenol (m,p Cresol)	<0.050 mg/L	0.050	2	02/03/10	kb	02/04/10	avl		200
Hexachlor	roethane	<0.050 mg/L	0.050	2	02/03/10	kb	02/04/10	avl		3.0
Nitrobenz	ene	<0.020 mg/L	0.020	2	02/03/10	kb	02/04/10	avi		2.0
Hexachlor	robutadiene	<0.050 mg/L	0.050	2	02/03/10	kb	02/04/10	avl		0.5
2,4,6-Tric	hlorophenol	<0.020 mg/L	0.020	2	02/03/10	kb	02/04/10	avl		2.0
2,4,5-Tricl	hlorophenol	<0.050 mg/L	0.050	2	02/03/10	kb	02/04/10	avl		400
2,4-Dinitro	otoluene	<0.050 mg/L	0.050	2	02/03/10	kb	02/04/10	avl		0.1
Hexachior	obenzene	<0.050 mg/L	0.050	2	02/03/10	kb	02/04/10	avi		0.1
Pentachlo	rophenol	<0.10 mg/L	0.10	2	02/03/10	kb	02/04/10	avl		100
Surrogate	es:									
2-Fluoro	phenol	41 %	20-53	2	02/03/10	kb	02/04/10	avl		
Phenol-c	d5	25 %	11-40	2	02/03/10	kb	02/04/10	avl		
Nitroben	zene-d5	70 %	36-103	2	02/03/10	kb	02/04/10	avl		
2-Fluoro	biphenyl	69 %	36-119	2	02/03/10	kb	02/04/10	avl		
2,4,6-Tri	bromophenol	78 %	30-105	2	02/03/10	kb	02/04/10	avl		
Terphen	yl-d14	86 %	37-109	2	02/03/10	kb	02/04/10	avl		
PESTICIDE	S/PCBS									
Analysis Me	thod: EPA 8082									
Batch: T	014664									
Aroclor-10	16	<0.078 mg/kg dry	0.078	1	02/02/10	kb	02/04/10	tim		
Aroclor-12	21	<0.078 mg/kg dry	0.078	1	02/02/10	kb	02/04/10	tim		
Aroclor-12	32	<0.078 mg/kg dry	0.078	1	02/02/10	kb	02/04/10	tim		
Aroclor-12	42	<0.078 mg/kg dry	0.078	1	02/02/10	kb	02/04/10	tim		
Aroclor-12	48	<0.078 mg/kg dry	0.078	1	02/02/10	kb	02/04/10	tim		
Aroclor-12	254	1.0 mg/kg dry	0.31	4	02/02/10	kb	02/04/10	tim		
Aroclor-12	60	<0.078 mg/kg dry	0.078	1	02/02/10	kb	02/04/10	tim		
Surrogate	s:									
_	oro-m-xylene	50 %	40-113	1	02/02/10	kb	02/04/10	tim	N	
Decachio	probiphenyl	46 %	32-111	1	02/02/10	kb	02/04/10	tim	N	

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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Date Collected: 02/01/10 09:15 Trace ID: T10B015-03 Matrix: Soil Date Received: 02/02/10 10:24 Sample ID: W19HS1-10-7-Composite RDL PREPARED BY ANALYZED BY **NOTES** MCL **PARAMETERS RESULTS UNITS** DILUTION PESTICIDES/PCBS PESTICIDES/PCBS, TCLP Analysis Method: EPA 8081A Batch: T014680 Chlordane <0.00050 mg/L 1 02/08/10 kb 02/08/10 tim 0.030 0.00050 02/08/10 0.020 Endrin <0.00010 mg/L 02/08/10 kb tim 1 0.00010 gamma-BHC (Lindane) <0.00010 mg/L 1 02/08/10 kb 02/08/10 tim 0.40 0.00010 <0.00010 mg/L 02/08/10 kb 02/08/10 tim 0.0080 Heptachlor 1 0.00010 Heptachlor epoxide <0.00010 mg/L 1 02/08/10 kb 02/08/10 tim 0.0080 0.00010 02/08/10 02/08/10 10 <0.00010 mg/L Methoxychlor 1 kb tim 0.00010 <0.0050 mg/L 02/08/10 02/08/10 0.50 Toxaphene 0.0050 1 kb tim Surrogates: Ν 65 % Tetrachloro-m-xylene 38-94 1 02/08/10 kb 02/08/10 tim 69 % Ν 02/08/10 02/08/10 40-93 1 kb tim Decachlorobiphenyl HERBICIDES, TCLP Analysis Method: EPA 8151A Batch: T014681 2,4-D <0.050 mg/L 1 02/03/10 kb 02/05/10 Ν 10 tim 0.050 2,4,5-TP (Silvex) <0.025 mg/L 1 02/03/10 kb 02/05/10 tim N 1.0 0.025 Surrogates: 97 % Ν 39-125 1 02/03/10 kb 02/05/10 2,4-Dichlorophenylacetic acid tim **METALS, TOTAL** Analysis Method: EPA 6010B Batch: T014676 **Barium** 160 mg/kg dry 1 02/03/10 jd 02/04/10 jlm 0.98 Chromium 17 mg/kg dry 0.98 1 02/03/10 jd 02/04/10 jlm 02/04/10 Copper 41 mg/kg dry 1 02/03/10 jd jlm 0.98 Lead 53 mg/kg dry 1 02/03/10 jd 02/04/10 jlm 0.98 02/04/10 Nickel 16 mg/kg dry 1 02/03/10 jd jlm 0.98 1 02/15/10 Vanadium 41 mg/kg dry 0.98 02/03/10 jm jlm

Analysis Method: EPA 6020

Batch: T014676

Zinc

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100 mg/kg dry

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0.98

1

02/03/10

jd

02/04/10

jlm



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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B015-03 Sample ID: W19HS1-10-7-Composite			Collected: Received:	02/01/10 09 02/02/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL		-							
Arsenic	8.9 mg/kg dry	0.098	10	02/03/10	jď	02/03/10	jn		
Cadmium	13 mg/kg dry	0.20	10	02/03/10	jn	02/05/10	jn		
Selenium	1.3 mg/kg dry	0.20	10	02/03/10	jd	02/03/10	jn		
Silver	0.12 mg/kg dry	0.10	10	02/03/10	jd	02/04/10	jn		
Analysis Method: EPA 7471A									
Batch: T014676									
Mercury	0.18 mg/kg dry	0.029	1	02/03/10	jd	02/05/10	jlm		
METALS, TCLP									
Analysis Method: EPA 6010B									
Batch: T014705									
Arsenic	<0.30 mg/L	0.30	1	02/04/10	jd	02/08/10	jlm		5.0
Barium	<1.0 mg/L	1.0	1	02/04/10	jd	02/08/10	jlm		100
Cadmium	<0.10 mg/L	0.10	1	02/04/10	jd	02/08/10	jlm		1.0
Chromium	<0.50 mg/L	0.50	1	02/04/10	jd	02/08/10	jlm		5.0
Copper	<0.50 mg/L	0.50	1	02/04/10	jd	02/08/10	jlm		
Lead	<0.50 mg/L	0.50	1	02/04/10	jd	02/08/10	jlm		5.0
Nickel	<0.50 mg/L	0.50	1	02/04/10	jd	02/08/10	jlm		
Selenium	<0.60 mg/L	0.60	1	02/04/10	jd	02/08/10	jlm		1.0
Silver	<0.10 mg/L	0.10	1	02/04/10	jd	02/08/10	jlm		5.0
Zinc	<0.50 mg/L	0.50	1	02/04/10	jd	02/08/10	jlm		
Analysis Method: EPA 7470A									
Batch: T014737									
Mercury	<0.010 mg/L	0.010	1	02/05/10	jd	02/05/10	jlm		0.20



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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B015-03 Date Collected: 02/01/10 09:15 Matrix: Soil Sample ID: W19HS1-10-7-Composite Date Received: 02/02/10 10:24 **PARAMETERS RESULTS UNITS RDL DILUTION** PREPARED BY ANALYZED BY **NOTES** MCL **WET CHEMISTRY** Analysis Method: % Calculation Batch: T014662 % Solids 85 % by Wt. 02/02/10 0.10 sm 02/03/10 sm Ν Analysis Method: EPA 1010 Batch: T014781 Flashpoint > 200 °F 1.0 02/08/10 sm 02/09/10 sm Analysis Method: EPA 9012B Batch: T014856 Cyanide (total) 02/12/10 Ν 0.24 mg/kg dry 1 sm 02/12/10 sm 0.12 Analysis Method: EPA 9045C Batch: T014668 Corrosivity-pH 7.11 pH Units 1 02/02/10 02/02/10 sm sm Ν Analysis Method: EPA Chapter 7.3 Batch: T014723 Sulfide, Reactive <5.8 mg/kg dry 02/04/10 bd 02/04/10 bd N 5.8 Analysis Method: EPA Chapter 7.3 Reactivity Batch: T014707 <0.50 mg/L 02/04/10 Cyanide, Reactive 02/04/10 Ν 0.50 sm sm



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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B015-04 Sample ID: W19HS1-10-8			Collected: Received:	02/01/10 09 02/02/10 10		Matrix: Soil			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	ВҮ	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUND Analysis Method: EPA 8015	S BY GC-MS								
Batch: T014783 Gasoline Range Organics (TPH)	310 mg/kg dry	17	1000	02/05/10	jp	02/06/10	jp		
Surrogates: Fluorobenzene	111 %	80-130	1000	02/05/10	jp	02/06/10	jp	N	
WET CHEMISTRY									
Analysis Method: % Calculation Batch: T014662									
% Solids	85 % by Wt.	0.10	1	02/02/10	sm	02/03/10	sm	N	
Analysis Method: EPA 9023 Batch: T014724									
Extractable Organic Halides	230 mg/kg dry	51	1	02/04/10	rbp	02/05/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B015-05 Sample ID: W19HS1-10-9			Collected: Received:	02/01/10 14 02/02/10 10		Matrix:			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	ВҮ	ANALYZED	вү	NOTES	MCL
VOLATILE ORGANIC COMPOUND	S BY GC-MS								
Analysis Method: EPA 8015 Batch: T014783									
Gasoline Range Organics (TPH)	110 mg/kg dry	11	1000	02/05/10	jp	02/06/10	jp		
Surrogates: Fluorobenzene	106 %	80-130	1000	02/05/10	jp	02/06/10	jp	N	
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014662									
% Solids	85 % by Wt.	0.10	1	02/02/10	sm	02/03/10	sm	N	
Analysis Method: EPA 9023									
Batch: T014724									
Extractable Organic Halides	210 mg/kg dry	56	1	02/04/10	rbp	02/05/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

race ID: T10B015-06 ample ID: Trip Blank			Collected: Received:	01/11/10 02/02/10 10	:24	Matrix: \	Water —		
ARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	вү	NOTES	MCI
OLATILE ORGANIC COMPO	UNDS BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T014695									
Dichlorodifluoromethane	<5.0 ug/L	5.0	1	02/02/10	jp	02/02/10	jp		
Chloromethane	<5.0 ug/L	5.0	1	02/02/10	jp	02/02/10	jp		
Vinyl chloride	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
Bromomethane	<5.0 ug/L	5.0	1	02/02/10	jp	02/02/10	jp		
Chloroethane	<5.0 ug/L	5.0	1	02/02/10	jp	02/02/10	jp		
Trichlorofluoromethane	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
Diethyl ether	<10 ug/L	10	1	02/02/10	jp	02/02/10	jp	N	
Tert-butyl alcohol	<50 ug/L	50	1	02/02/10	jp	02/02/10	jp	N	
1,1-Dichloroethene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
Acetone	<50 ug/L	50	1	02/02/10	jp	02/02/10	jp		
Iodomethane	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp	N	
Carbon disulfide	<5.0 ug/L	5.0	1	02/02/10	jp	02/02/10	jp		
Methyl-tert-butyl ether	<5.0 ug/L	5.0	1	02/02/10	jp	02/02/10	jp		
Methylene chloride	<5.0 ug/L	5.0	1	02/02/10	jp	02/02/10	jp		
Acrylonitrile	<2.0 ug/L	2.0	1	02/02/10	jp	02/02/10	jp		
trans-1,2-Dichloroethene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
1,1-Dichloroethane	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
Diisopropyl Ether	<5.0 ug/L	5.0	1	02/02/10	jp	02/02/10	jp	N	
2-Butanone	<25 ug/L	25	1	02/02/10	jp	02/02/10	jp		
cis-1,2-Dichloroethene	<1.0 ug/L	1.0	1	02/02/10	jр	02/02/10	jp		
t-Butyl Ethyl Ether	<5.0 ug/L	5.0	1	02/02/10	jp	02/02/10	jp	N	
Bromochloromethane	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
Tetrahydrofuran	<90 ug/L	90	1	02/02/10	jp	02/02/10	jp	N	
Chloroform	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
1,1,1-Trichloroethane	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jр		
Carbon tetrachloride	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
Benzene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
t-Amyl Methyl Ether	<5.0 ug/L	5.0	1	02/02/10	jp	02/02/10	дį	N	
1,2-Dichloroethane	<1.0 ug/L	5.0 1.0	, 1	02/02/10	qį	02/02/10		•	
Cyclohexane	<5.0 ug/L	1.0 5.0	1	02/02/10	qį	02/02/10	jp in	N	
Trichloroethene	<5.0 ug/L		1	02/02/10	qį	02/02/10	jp in	14	
1,2-Dichloropropane	<1.0 ug/L	1.0	1	02/02/10		02/02/10	jp in		
• •	<5.0 ug/L	1.0	1		jp in		jp in		
Dibromomethane Promodiableromethane	<u> </u>	5.0	1	02/02/10	jp in	02/02/10	jp in		
Bromodichloromethane	<1.0 ug/L	1.0	I	02/02/10	jp	02/02/10	jp		

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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B015-06 Sample ID: Trip Blank			Collected: Received:	01/11/10 02/02/10 10:	24	Matrix: \	Water		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOU	INDS BY GC-MS	·							
4-Methyl-2-pentanone	<50 ug/L	50	1	02/02/10	jp	02/02/10	jp		
Toluene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
trans-1,3-Dichloropropene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
1,1,2-Trichloroethane	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
Tetrachloroethene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
2-Hexanone	<50 ug/L	50	1	02/02/10	jp	02/02/10	jp		
Dibromochloromethane	<5.0 ug/L	5.0	1	02/02/10	jp	02/02/10	jp		
1,2-Dibromoethane (EDB)	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
Chlorobenzene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
1,1,1,2-Tetrachloroethane	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
Ethylbenzene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
m,p-Xylene	<2.0 ug/L	2.0	1	02/02/10	jp	02/02/10	jp	N	
o-Xylene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp	N	
Xylenes, total	<3.0 ug/L	3.0	1	02/02/10	jp	02/02/10	jp	N	
Styrene	<1.0 ug/L	.1.0	1	02/02/10	jp	02/02/10	jp		
Bromoform	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
Isopropylbenzene	<5.0 ug/L	5.0	1	02/02/10	jp	02/02/10	jp		
1,1,2,2-Tetrachloroethane	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
1,2,3-Trichloropropane	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
trans-1,4-Dichloro-2-butene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
Bromobenzene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
n-Propylbenzene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
1,3,5-Trimethylbenzene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
t-Butyl Benzene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
1,2,4-Trimethylbenzene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
sec-Butylbenzene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
p-Isopropyltoluene	<5.0 ug/L	5.0	1	02/02/10	jp	02/02/10	jp		
1,3-Dichlorobenzene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
1,4-Dichlorobenzene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
n-Butylbenzene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
1,2,3-Trimethylbenzene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp	N	
1,2-Dichlorobenzene	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
1,2-Dibromo-3-chloropropane	<1.0 ug/L	1.0	1	02/02/10	jp	02/02/10	jp		
Hexachloroethane	<5.0 ug/L	5.0	1	02/02/10	jp	02/02/10	jp	N	
1,2,4-Trichlorobenzene	<5.0 ug/L	5.0	1	02/02/10	jp	02/02/10	jp		
Naphthalene	<5.0 ug/L	5.0	1		jp	02/02/10	jp	N	
1,2,3-Trichlorobenzene	<5.0 ug/L	5.0	1		jp	02/02/10	jp		

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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B015-06 Sample ID: Trip Blank		Date Collected: Date Received:		01/11/10 02/02/10 10:24		Matrix: Water			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOU	JNDS BY GC-MS								
2-Methylnaphthalene	<5.0 ug/L	5.0	1	02/02/10	jp	02/02/10	jp	N	
Surrogates:									
1,2-Dichloroethane-d4	102 %	70-133	1	02/02/10	jp	02/02/10	jp		
Toluene-d8	105 %	76-125	1	02/02/10	jp	02/02/10	jp		
4-Bromofluorobenzene	98 %	71-123	1	02/02/10	jp	02/02/10	jp		
1,2-Dichlorobenzene-d4	89 %	72-123	1	02/02/10	jp	02/02/10	jp		



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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B015-07 Date Collected: 02/01/10 09:15 Matrix: Soil Sample ID: W19HS1-10-7-Grab Date Received: 02/02/10 10:24 **RESULTS UNITS** RDL PREPARED BY ANALYZED BY **NOTES PARAMETERS** DILUTION MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** Analysis Method: EPA 8260B Batch: T014810 Dichlorodifluoromethane <0.044 mg/kg dry 02/03/10 02/03/10 50 0.044 jp jp 50 02/03/10 Chloromethane <0.044 mg/kg dry 0.044 jp 02/03/10 jp 50 02/03/10 Vinyl chloride <0.035 mg/kg dry jp 02/03/10 0.035 jp Ν Bromomethane <0.044 mg/kg dry 50 02/03/10 02/03/10 0.044 jp jp 02/03/10 Chloroethane <0.044 mg/kg dry 50 02/03/10 0.044 jp jp 50 02/03/10 Trichlorofluoromethane <0.044 mg/kg dry jp 02/03/10 0.044 jp 50 Diethyl ether < 0.18 mg/kg dry 02/03/10 jp 02/03/10 Ν 0.18 jp Tert-butyl alcohol <2.2 mg/kg dry 2.2 50 02/03/10 jp 02/03/10 jp Ν 1,1-Dichloroethene <0.044 mg/kg dry 50 02/03/10 02/03/10 0.044 jp ip 50 02/03/10 02/03/10 Acetone < 0.66 mg/kg dry jp jp 0.66 lodomethane <0.044 mg/kg dry 50 02/03/10 jp 02/03/10 jp Ν 0.044 50 02/03/10 Carbon disulfide <0.22 mg/kg dry 02/03/10 0.22 įр jp 50 02/03/10 02/03/10 Methyl-tert-butyl ether <0.22 mg/kg dry jp 0.22 jp Methylene chloride <0.088 mg/kg dry 0.088 50 02/03/10 jp 02/03/10 jp Acrylonitrile <0.088 mg/kg dry 50 02/03/10 02/03/10 Ν 0.088 jp jp trans-1,2-Dichloroethene <0.044 mg/kg dry 50 02/03/10 02/03/10 jp jp 0.044 1,1-Dichloroethane <0.044 mg/kg dry 50 02/03/10 jp 02/03/10 0.044 jp <0.22 mg/kg dry 50 02/03/10 02/03/10 Ν Diisopropyl Ether jp jp 0.22 50 02/03/10 02/03/10 2-Butanone <0.66 mg/kg dry 0.66 jp jp <0.044 mg/kg dry 50 02/03/10 02/03/10 cis-1,2-Dichloroethene 0.044 jp jp t-Butyl Ethyl Ether <0.22 mg/kg dry 0.22 50 02/03/10 jp 02/03/10 jp Ν 50 Bromochloromethane <0.044 mg/kg dry 02/03/10 jp 02/03/10 jp 0.044 50 Tetrahydrofuran <0.88 mg/kg dry 0.88 02/03/10 jp 02/03/10 jp Ν Chloroform <0.044 mg/kg dry 50 02/03/10 jp 02/03/10 jp 0.044 1,1,1-Trichloroethane 0.11 mg/kg dry 0.044 50 02/03/10 jp 02/03/10 jp Carbon tetrachloride <0.044 mg/kg dry 50 02/03/10 jp 02/03/10 0.044 jp Benzene <0.044 mg/kg dry 0.044 50 02/03/10 jp 02/03/10 jp 50 02/03/10 02/03/10 t-Amyl Methyl Ether <0.22 mg/kg dry jp jp Ν 0.22

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<0.044 mg/kg dry

< 0.22 mg/kg dry

0.072 mg/kg dry

<0.044 mg/kg dry

<0.044 mg/kg dry

<0.044 mg/kg dry

<0.044 mg/kg dry

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Ν

1,2-Dichloroethane

Cyclohexane

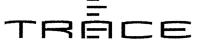
Trichloroethene

Dibromomethane

1,2-Dichloropropane

Bromodichloromethane

cis-1,3-Dichloropropene



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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

the science of compliance

Trace ID: Date Collected: 02/01/10 09:15 T10B015-07 Matrix: Soil Sample ID: W19HS1-10-7-Grab Date Received: 02/02/10 10:24 **RESULTS UNITS PARAMETERS RDL** DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** 50 02/03/10 02/03/10 4-Methyl-2-pentanone <2.2 mg/kg dry jp jp 2.2 500 02/05/10 Toluene 30 mg/kg dry 0.44 02/05/10 jp jp 02/03/10 02/03/10 trans-1,3-Dichloropropene <0.044 mg/kg dry 0.044 50 jp jp 50 02/03/10 02/03/10 1.1.2-Trichloroethane <0.044 mg/kg dry 0.044 jp jp Tetrachloroethene 0.30 mg/kg dry 50 02/03/10 jp 02/03/10 0.044 jp 50 02/03/10 2-Hexanone <2.2 mg/kg dry 2.2 jp 02/03/10 jp Dibromochloromethane <0.044 mg/kg dry 50 02/03/10 02/03/10 0.044 jp jp <0.044 mg/kg dry 50 02/03/10 02/03/10 1,2-Dibromoethane (EDB) 0.044 jp jp <0.044 mg/kg dry Chlorobenzene 50 02/03/10 jp 02/03/10 0.044 jp 50 02/03/10 02/03/10 1,1,1,2-Tetrachloroethane <0.044 mg/kg dry jp jp 0.044 Ethylbenzene 50 02/03/10 02/03/10 1.1 mg/kg dry 0.044 jp jp Ν 02/03/10 02/03/10 m,p-Xylene 5.3 mg/kg dry 0.088 50 jp jp 50 02/03/10 02/03/10 Ν o-Xylene 1.6 mg/kg dry jp jp 0.044 7.0 mg/kg dry 50 02/03/10 02/03/10 Ν Xylenes, total 0.13 jp jр <0.044 mg/kg dry 50 02/03/10 02/03/10 Styrene 0.044 jp jp 50 02/03/10 02/03/10 **Bromoform** <0.044 mg/kg dry jp 0.044 jp 0.051 mg/kg dry 50 02/03/10 02/03/10 Isopropylbenzene jp jp 0.044 50 02/03/10 02/03/10 1,1,2,2-Tetrachloroethane <0.044 mg/kg dry 0.044 jp jр <0.044 mg/kg dry 50 02/03/10 02/03/10 1,2,3-Trichloropropane jp jp 0.044 50 02/03/10 02/03/10 trans-1,4-Dichloro-2-butene <0.044 mg/kg dry 0.044 jр jp 50 02/03/10 Bromobenzene <0.044 mg/kg dry 0.044 02/03/10 jp jp 50 02/03/10 02/03/10 n-Propylbenzene 0.083 mg/kg dry 0.044 jp jp 50 02/03/10 02/03/10 1,3,5-Trimethylbenzene 0.18 mg/kg dry 0.044 jp jp 50 02/03/10 02/03/10 t-Butyl Benzene <0.044 mg/kg dry 0.044 jp jр 1,2,4-Trimethylbenzene 0.48 mg/kg dry 50 02/03/10 02/03/10 0.044 jp jр 50 02/03/10 02/03/10 sec-Butylbenzene <0.044 mg/kg dry 0.044 jp jp <0.044 mg/kg dry 50 02/03/10 02/03/10 p-Isopropyltoluene 0.044 jp jp 50 02/03/10 02/03/10 1.3-Dichlorobenzene <0.044 mg/kg dry jp jp 0.044 1,4-Dichlorobenzene <0.044 mg/kg dry 50 02/03/10 jp 02/03/10 jp 0.044 n-Butylbenzene <0.044 mg/kg dry 0.044 50 02/03/10 jp 02/03/10 jp 1,2,3-Trimethylbenzene 0.26 mg/kg dry 50 02/03/10 02/03/10 Ν 0.044 jp jp 1,2-Dichlorobenzene <0.044 mg/kg dry 50 02/03/10 02/03/10 0.044 jp jp 1,2-Dibromo-3-chloropropane <0.088 mg/kg dry 0.088 50 02/03/10 jp 02/03/10 jp Hexachloroethane <0.044 mg/kg dry 50 02/03/10 02/03/10 Ν 0.044 įр jp 1,2,4-Trichlorobenzene <0.044 mg/kg dry 0.044 50 02/03/10 jp 02/03/10 jp Naphthalene 02/03/10 02/03/10 Ν 0.74 mg/kg dry 0.22 50 jp jp 1,2,3-Trichlorobenzene <0.044 mg/kg dry 0.044 50 02/03/10 įр 02/03/10 jp

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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B015-07 Sample ID: W19HS1-10-7-Grab			Collected: Received:	02/01/10 09: 02/02/10 10:		Matrix: Soil			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUN	DS BY GC-MS								
2-Methylnaphthalene	<0.22 mg/kg dry	0.22	50	02/03/10	jp	02/03/10	jp	N	
Surrogates:									
1,2-Dichloroethane-d4	105 %	70-133	50	02/03/10	jp	02/03/10	jp		
1,2-Dichloroethane-d4	115 %	70-133	500	02/05/10	jp	02/05/10	jp		
Toluene-d8	105 %	76-125	50	02/03/10	jp	02/03/10	jp		
Toluene-d8	101 %	76-125	500	02/05/10	jp	02/05/10	jp		
4-Bromofluorobenzene	98 %	71-123	50	02/03/10	jp	02/03/10	jp		
4-Bromofluorobenzene	87 %	71-123	500	02/05/10	jp	02/05/10	jp		
1,2-Dichlorobenzene-d4	90 %	72-123	50	02/03/10	jp	02/03/10	jp		
1,2-Dichlorobenzene-d4	100 %	72-123	500	02/05/10	jp	02/05/10	jp		
VOLATILE ORGANIC COMPOUN	DS, TCLP		•						
Analysis Method: EPA 8260B									
Batch: T014725									
Vinyl chloride	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.20
1,1-Dichloroethene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.70
2-Butanone	<0.25 mg/L	0.25	50	02/03/10	jp	02/03/10	jp		200
Chloroform	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		6.0
Carbon tetrachloride	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.50
Benzene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.50
1,2-Dichloroethane	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.50
Trichloroethene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.50
Tetrachloroethene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		0.70
Chlorobenzene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		100
1,4-Dichlorobenzene	<0.050 mg/L	0.050	50	02/03/10	jp	02/03/10	jp		7.5
Surrogates:	-								
1,2-Dichloroethane-d4	97 %	70-133	50	02/03/10	jp	02/03/10	jp		
Toluene-d8	100 %	76-125	50	02/03/10	jp	02/03/10	jp		
4-Bromofluorobenzene	96 %	72-123	50	02/03/10	jp	02/03/10	jp		
1,2-Dichlorobenzene-d4	98 %	71-123	50	02/03/10	jp	02/03/10	jp		



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ANALYTICAL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B015-07

Date Collected:

W19HS1-10-7-Grab Sample ID:

Date Received:

02/01/10 09:15 Matrix: Soil

02/02/10 10:24

RESULTS UNITS PARAMETERS RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL

WET CHEMISTRY

Analysis Method: % Calculation

Batch: T014685

% Solids 87 % by Wt. 0.10

02/03/10

sm

02/04/10

sm

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QUALITY CONTROL RESULTS

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014673

QC Batch Method: Leaching proceedures

Analysis Description: TCLP Extraction, SVOC

Analysis Method: EPA 1311

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014676

QC Batch Method: EPA 3051 Microwave Assisted

Digestions for Solids

Analysis Description: Vanadium, Total

Analysis Method: EPA 6010B

METHOD BLANK: T014676-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Barium	mg/kg dry	<1.0	1.0	
Chromium	mg/kg dry	<2.0	2.0	
Copper	mg/kg dry	<1.0	1.0	
Nickel	mg/kg dry	<1.0	1.0	
Lead	mg/kg dry	<1.0	1.0	
Vanadium	mg/kg dry	<1.0	1.0	
Zinc	mg/kg dry	<1.0	1.0	

LABORATORY CONTROL SAMPLE: T014676-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Barium	mg/kg dry	40.0	36.2	90	80-120	
Chromium	mg/kg dry	40.0	39.3	98	80-120	
Copper	mg/kg dry	40.0	37.2	93	80-120	
Nickel	mg/kg dry	40.0	38.1	95	80-120	
Lead	mg/kg dry	40.0	35.1	88	80-120	
Vanadium	mg/kg dry	40.0	38.9	97	80-120	
Zinc	mg/kg dry	40.0	33.0	82	80-120	

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014705

QC Batch Method: EPA 3015 Microwave Assisted

Digestions for Liquids

Analysis Description: Silver, TCLP Analysis Method: EPA 6010B

METHOD BLANK: T014705-BLK1

Blank Reporting Parameter Units Notes Result Limit



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METHOD BLANK: T014705-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Copper	mg/L	<0.50	0.50	
Nickel	mg/L	<0.50	0.50	
Lead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	
Zinc	mg/L	<0.50	0.50	

METHOD BLANK: T014705-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	-
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Copper	mg/L	<0.50	0.50	
lickel	mg/L	<0.50	0.50	
ead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	
linc	mg/L	<0.50	0.50	

METHOD BLANK: T014705-BLK3

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Copper	mg/L	<0.50	0.50	
Nickel	mg/L	<0.50	0.50	
_ead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	
Zinc	mg/L	<0.50	0.50	



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LABORATORY CONTROL SAMPLE: T014705-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Silver	mg/L	0.0278	<0.10	95	80-120	
Arsenic	mg/L	0.0556	<0.30	99	80-120	
Barium	mg/L	0.889	<1.0	101	80-120	
Cadmium	mg/L	0.0278	<0.10	98	80-120	
Chromium	mg/L	0.0278	<0.50	101	80-120	
Copper	mg/L	0.889	0.880	99	80-120	
Nickel	mg/L	0.889	0.871	98	80-120	
Lead	mg/L	0.0556	<0.50	102	80-120	
Selenium	mg/L	0.0556	<0.60	94	80-120	
Zinc	mg/L	0.889	0.895	101	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014705-MSD1

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Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Silver	mg/L	0	0.250	0.230	0.216	92	86	75-125	6	20	
Arsenic	mg/L	0	0.500	0.484	0.467	97	93	75-125	4	20	
Barium	mg/L	0.371	8.00	8.23	8.35	98	100	75-125	2	20	
Cadmium	mg/L	0.0291	0.250	0.270	0.272	96	97	75-125	0.9	20	
Chromium	mg/L	0	0.250	0.243	<0.50	97	101	75-125	4	20	
Copper	mg/L	0	8.00	7.85	7.97	98	100	75-125	2	20	
lickel	mg/L	0	8.00	7.60	7.62	95	95	75-125	0.3	20	
ead	mg/L	0	0.500	0.494	0.511	99	102	75-125	3	20	
Selenium	mg/L	0	0.500	0.463	<0.60	93	90	75-125	3	20	
inc	mg/L	0.0539	8.00	7.91	8.00	98	99	75-125	1	20	

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014676

QC Batch Method: EPA 3051 Microwave Assisted

Digestions for Solids

Analysis Description: Cadmium, Total

Analysis Method: EPA 6020

METHOD BLANK: T014676-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Arsenic	mg/kg dry	<0.10	0.10	
Cadmium	mg/kg dry	<0.20	0.20	
Selenium	mg/kg dry	<0.20	0.20	

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LABORATORY CONTROL SAMPLE: T014676-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Arsenic	mg/kg dry	5.00	4.85	97	80-120	
Cadmium	mg/kg dry	40.0	39.0	98	80-120	
Selenium	mg/kg dry	5.00	4.44	89	80-120	

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014682 QC Batch Method: EPA 3051 Microwave Assisted Digestion

with HCI

Analysis Description: Silver, Total Analysis Method: EPA 6020

METHOD BLANK: T014682-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/kg dry	<0.10	0.10	

LABORATORY CONTROL SAMPLE: T014682-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Silver	mg/kg dry	5.00	5.13	103	80-120	

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014737 Analysis Description: Mercury, TCLP QC Batch Method: EPA 7470A Prep Analysis Method: EPA 7470A

METHOD BLANK: T014737-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/L	<0.010	0.010	

METHOD BLANK: T014737-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/L	<0.010	0.010	

METHOD BLANK: T014737-BLK3

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/L	<0.010	0.010	

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LABORATORY CONTROL SAMPLE: T014737-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	mg/L	0.00200	<0.010	104	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014737-MSD1

Original: T10B015-03

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Mercury	mg/L	0	0.0500	0.0530	0.0525	106	105	75-125	0.9	20	

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014676 Analysis Description: Mercury, Total, EPA 7470/7471

QC Batch Method: EPA 3051 Microwave Assisted Analysis Method: EPA 7471A

Digestions for Solids

METHOD BLANK: T014676-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/kg dry	<0.050	0.050	•

LABORATORY CONTROL SAMPLE: T014676-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	mg/kg dry	0.250	0.192	77	77-122	

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014672 Analysis Description: TCLP Extraction, Metals

QC Batch Method: Leaching proceedures Analysis Method: EPA 1311

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014674 Analysis Description: TCLP ZHE, Volatiles

QC Batch Method: Leaching proceedures Analysis Method: EPA 1311

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014680 Analysis Description: TCLP Pesticides

QC Batch Method: EPA 3510C Separatory Funnel Analysis Method: EPA 8081A

Liquid-Liquid Extr.

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METHOD BLANK: T014680-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Chlordane	mg/L	<0.000050	0.000050	
Endrin	mg/L	<0.000010	0.000010	
gamma-BHC (Lindane)	mg/L	<0.000010	0.000010	
Heptachlor	mg/L	<0.000010	0.000010	
Heptachlor epoxide	mg/L	<0.000010	0.000010	
Methoxychlor	mg/L	<0.000010	0.000010	
Toxaphene	mg/L	<0.00050	0.00050	
Tetrachloro-m-xylene (S)	%	74	38-94	
Decachlorobiphenyl (S)	%	74	40-93	

LABORATORY CONTROL SAMPLE: T014680-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Endrin	mg/L	0.0000500	0.0000367	73	31-145	
gamma-BHC (Lindane)	mg/L	0.0000500	0.0000356	71	38-125	
Heptachlor	mg/L	0.0000500	0.0000351	70	34-124	
Heptachlor epoxidemg	/L	0.0000500	0.0000409	82	35-125	
Methoxychlor	mg/L	0.0000500	0.0000354	71	54-109	
Tetrachloro-m-xylene (S)	%	0.000100	0.0000638	64	38-94	
Decachlorobiphenyl (S)	%	0.000100	0.0000681	68	40-93	

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014664 QC Batch Method: EPA 3540C Soxhlet Extraction Analysis Description: PCBs Analysis Method: EPA 8082

METHOD BLANK: T014664-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Aroclor-1016	mg/kg wet	<0.066	0.066	•
Aroclor-1221	mg/kg wet	<0.066	0.066	
Aroclor-1232	mg/kg wet	<0.066	0.066	
Aroclor-1242	mg/kg wet	<0.066	0.066	
Aroclor-1248	mg/kg wet	<0.066	0.066	
Aroclor-1254	mg/kg wet	<0.066	0.066	
Aroclor-1260	mg/kg wet	<0.066	0.066	
Tetrachloro-m-xylene (S)	%	74	40-113	
Decachlorobiphenyl (S)	%	74	32-111	

LABORATORY CONTROL SAMPLE: T014664-BS1

Parameter Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
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LABORATORY CONTROL SAMPLE: T014664-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Aroclor-1016	mg/kg wet	0.666	0.358	54	51-110	
Aroclor-1260	mg/kg wet	0.666	0.387	58	49-110	
Tetrachloro-m-xylene (S)	%	0.0333	0.0204	61	40-113	
Decachlorobiphenyl (S)	%	0.0333	0.0206	62	32-111	

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014681 QC Batch Method: EPA 8151 Analysis Description: TCLP Herbicides Analysis Method: EPA 8151A

METHOD BLANK: T014681-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
2,4-D	mg/L	<0.0020	0.0020	
2,4,5-TP (Silvex)	mg/L	<0.0010	0.0010	
2,4-Dichlorophenylacetic acid (S)	%	90	39-125	

LABORATORY CONTROL SAMPLE: T014681-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2,4-D	mg/L	0.00400	0.00314	78	40-129	
2,4,5-TP (Silvex)	mg/L	0.00400	0.00308	77	56-121	
2,4-Dichlorophenylacetic acid (S)	%	0.00800	0.00661	83	39-125	

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch Method: EPA 3550B Ultrasonic Extraction

Analysis Description: Semi-volatiles, TCL list

Analysis Method: EPA 8270C

METHOD BLANK: T014660-BLK1

QC Batch: T014660

Parameter	Units	Blank Result	Reporting Limit	Notes
Bis(2-chloroethyl)ether	mg/kg wet	<0.033	0.033	
2-Chlorophenol	mg/kg wet	<0.083	0.083	
Phenol	mg/kg wet	<0.083	0.083	
1,3-Dichlorobenzene	mg/kg wet	< 0.083	0.083	
1,4-Dichlorobenzene	mg/kg wet	< 0.083	0.083	
1,2-Dichlorobenzene	mg/kg wet	<0.083	0.083	
Benzyl alcohol	mg/kg wet	<0.66	0.66	
Bis(2-chloroisopropyl)ether	mg/kg wet	<0.083	0.083	
2-Methylphenol (o-Cresol)	mg/kg wet	<0.083	0.083	

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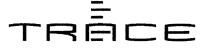
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METHOD BLANK: T014660-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
3,4-Methylphenol (m,p Cresol)	mg/kg wet	<0.083	0.083	
I-Nitrosodi-n-propylamine	mg/kg wet	<0.083	0.083	
lexachloroethane	mg/kg wet	<0.083	0.083	
litrobenzene	mg/kg wet	<0.033	0.033	
sophorone	mg/kg wet	<0.083	0.083	
-Nitrophenol	mg/kg wet	<0.083	0.083	
,4-Dimethylphenol	mg/kg wet	<0.083	0.083	
is(2-chloroethoxy)methane	mg/kg wet	<0.083	0.083	
Benzoic acid	mg/kg wet	<1.2	1.2	
,2,4-Trichlorobenzene	mg/kg wet	<0.083	0.083	
,4-Dichlorophenol	mg/kg wet	<0.083	0.083	
laphthalene	mg/kg wet	<0.083	0.083	
-Chloroaniline	mg/kg wet	<0.083	0.083	
lexachlorobutadiene	mg/kg wet	<0.033	0.033	
-Chloro-3-methylphenol	mg/kg wet	<0.083	0.083	
-Methylnaphthalene	mg/kg wet	<0.083	0.083	
lexachlorocyclopentadiene	mg/kg wet	<0.17	0.17	
,4,6-Trichlorophenol	mg/kg wet	< 0.033	0.033	
,4,5-Trichlorophenol	mg/kg wet	<0.083	0.083	
-Chloronaphthalene	mg/kg wet	<0.083	0.083	
-Nitroaniline	mg/kg wet	<0.083	0.083	
imethyl phthalate	mg/kg wet	<0.083	0.083	
cenaphthylene	mg/kg wet	< 0.083	0.083	
,6-Dinitrotoluene	mg/kg wet	<0.083	0.083	
-Nitroaniline	mg/kg wet	<0.083	0.083	
cenaphthene	mg/kg wet	< 0.083	0.083	
ibenzofuran	mg/kg wet	<0.083	0.083	
,4-Dinitrotoluene	mg/kg wet	<0.083	0.083	
-Nitrophenol	mg/kg wet	<0.67	0.67	
4-Dinitrophenol	mg/kg wet	<0.67	0.67	
iethyl phthalate	mg/kg wet	<0.083	0.083	
luorene	mg/kg wet	<0.083	0.083	
-Chlorophenyl phenyl ether	mg/kg wet	<0.083	0.083	
-Nitroaniline	mg/kg wet	<0.083	0.083	
6-Dinitro-2-methylphenol	mg/kg wet	<0.17	0.17	
-Nitrosodiphenylamine	mg/kg wet	<0.083	0.083	
-Bromophenyl phenyl ether	mg/kg wet	<0.083	0.083	
exachlorobenzene	mg/kg wet	<0.083	0.083	
entachlorophenol	mg/kg wet	<0.36	0.36	
henanthrene	mg/kg wet	<0.033	0.033	
nthracene	mg/kg wet	<0.083	0.083	
arbazole	mg/kg wet	<0.083	0.083	
i-n-butyl phthalate	mg/kg wet	<0.083	0.083	
uoranthene	mg/kg wet	<0.033	0.033	
yrene	mg/kg wet	<0.083	0.083	

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METHOD BLANK: T014660-BLK1

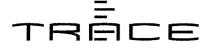
Parameter	Units	Blank Result	Reporting Limit	Notes
Butyl benzyl phthalate	mg/kg wet	<0.083	0.083	
Benzo (a) anthracene	mg/kg wet	<0.033	0.033	
Chrysene	mg/kg wet	< 0.033	0.033	
3,3'-Dichlorobenzidine	mg/kg wet	<0.66	0.66	
Bis(2-ethylhexyl)phthalate	mg/kg wet	<0.083	0.083	
Di-n-octyl phthalate	mg/kg wet	<0.083	0.083	
Benzo (b) fluoranthene	mg/kg wet	<0.033	0.033	
Benzo (k) fluoranthene	mg/kg wet	<0.033	0.033	
Benzo (a) pyrene	mg/kg wet	<0.033	0.033	
Indeno (1,2,3-cd) pyrene	mg/kg wet	<0.033	0.033	
Dibenz (a,h) anthracene	mg/kg wet	<0.033	0.033	
Benzo (g,h,i) perylene	mg/kg wet	< 0.033	0.033	
2-Fluorophenol (S)	%	66	38-81	
Phenol-d5 (S)	%	61	32-102	
Nitrobenzene-d5 (S)	%	72	36-98	
2-Fluorobiphenyl (S)	%	61	44-105	
2,4,6-Tribromophenol (S)	%	73	38-101	
Terphenyl-d14 (S)	%	74	46-109	

LABORATORY CONTROL SAMPLE: T014660-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2-Chlorophenol	mg/kg wet	3.32	2.30	69	49-93	
Phenol	mg/kg wet	3.32	2.12	64	40-90	
1,4-Dichlorobenzene	mg/kg wet	3.32	2.24	67	37-106	
I-Nitrosodi-n-propylamine	mg/kg wet	3.32	2.89	87	51-106	
,2,4-Trichlorobenzene	mg/kg wet	3.32	2.23	67	49-100	
-Chloro-3-methylphenol	mg/kg wet	3.32	2.49	75	50-96	
cenaphthene	mg/kg wet	3.32	2.28	69	52-105	
,4-Dinitrotoluene	mg/kg wet	3.32	2.51	76	51-108	
-Nitrophenol	mg/kg wet	3.32	1.73	52	22-112	
entachlorophenol	mg/kg wet	3.32	2.77	83	30-111	
yrene	mg/kg wet	3.32	2.51	76	47-114	
-Fluorophenol (S)	%	3.32	2.42	73	38-81	
henol-d5 (S)	%	3.32	2.49	75	32-102	
litrobenzene-d5 (S)	%	3.32	2.63	79	36-98	
-Fluorobiphenyl (S)	%	3.32	2.32	70	44-105	
,4,6-Tribromophenol (S)	%	3.32	2.90	87	38-101	
erphenyl-d14 (S)	%	3.32	2.67	81	46-109	

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40



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QC Batch: T014679

QC Batch Method: EPA 3510C Separatory Funnel

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Liquid-Liquid Extr.

Analysis Description: TCLP Semi-Volatiles

Analysis Method: EPA 8270C

METHOD BLANK: T014679-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Pyridine	mg/L	<0.020	0.020	
2-Methylphenol (o-Cresol)	mg/L	<0.0025	0.0025	
3,4-Methylphenol (m,p Cresol)	mg/L	<0.0025	0.0025	
Hexachloroethane	mg/L	<0.0025	0.0025	
Nitrobenzene	mg/L	<0.0010	0.0010	
Hexachlorobutadiene	mg/L	<0.0025	0.0025	
2,4,6-Trichlorophenol	mg/L	<0.0010	0.0010	
2,4,5-Trichlorophenol	mg/L	<0.0025	0.0025	
2,4-Dinitrotoluene	mg/L	<0.0025	0.0025	
Hexachlorobenzene	mg/L	<0.0025	0.0025	
Pentachlorophenol	mg/L	<0.0050	0.0050	
2-Fluorophenol (S)	%	35	20-53	
Phenol-d5 (S)	%	21	11-40	
Nitrobenzene-d5 (S)	%	60	36-103	
2-Fluorobiphenyl (S)	%	56	36-119	
2,4,6-Tribromophenol (S)	%	65	30-105	
Terphenyl-d14 (S)	%	68	37-109	

LABORATORY CONTROL SAMPLE: T014679-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2,4-Dinitrotoluene	mg/L	0.0510	0.0355	70	39-105	
Pentachlorophenol	mg/L	0.103	0.0794	77	38-102	
2-Fluorophenol (S)	%	0.100	0.0413	41	20-53	
Phenol-d5 (S)	%	0.100	0.0259	26	11-40	
Nitrobenzene-d5 (S)	%	0.100	0.0712	71	36-103	
2-Fluorobiphenyl (S)	%	0.100	0.0700	70	36-119	
2,4,6-Tribromophenol (S)	%	0.100	0.0847	85	30-105	
Terphenyl-d14 (S)	%	0.100	0.0896	90	37-109	

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014783

QC Batch Method: SW846 5035 Purge-and-Trap for Solids

and Wastes

Analysis Description: Gasoline Range Organics

Analysis Method: EPA 8015

METHOD BLANK: T014783-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes



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METHOD BLANK: T014783-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Gasoline Range Organics (TPH)	mg/kg wet	<4.0	4.0	-
Fluorobenzene (S)	%	104	80-130	

LABORATORY CONTROL SAMPLE: T014783-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Gasoline Range Organics (TPH)	mg/kg wet	20.0	21.1	106	80-120	
Fluorobenzene (S)	%	100	104	104	80-130	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014783-MSD1

Original: T10B015-02

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Gasoline Range Organics (TPH)	mg/kg dry	24.5	18.5	43.6	42.8	103	99	80-120	4	20	
Fluorobenzene (S)	%		100	108	107	108	107	80-130			

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014695

Analysis Description: Volatiles, Full MDEQ+ List

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous

Analysis Method: EPA 8260B

Samples

METHOD BLANK: T014695-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Dichlorodifluoromethane	ug/L	<5.0	5.0	
Chloromethane	ug/L	<5.0	5.0	
Vinyl chloride	ug/L	<1.0	1.0	
Bromomethane	ug/L	<5.0	5.0	
Chloroethane	ug/L	<5.0	5.0	
Trichlorofluoromethane	ug/L	<1.0	1.0	
Diethyl ether	ug/L	<10	10	
Tert-butyl alcohol	ug/L	<50	50	
1,1-Dichloroethene	ug/L	<1.0	1.0	
Acetone	ug/L	<50	50	
lodomethane	ug/L	<1.0	1.0	
Carbon disulfide	ug/L	<5.0	5.0	
Methyl-tert-butyl ether	ug/L	<5.0	5.0	
Methylene chloride	ug/L	<5.0	5.0	
Acrylonitrile	ug/L	<2.0	2.0	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	
1,1-Dichloroethane	ug/L	<1.0	1.0	
Diisopropyl Ether	ug/L	<5.0	5.0	
2-Butanone	ug/L	<25	25	

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METHOD BLANK: T014695-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	
-Butyl Ethyl Ether	ug/L	<5.0	5.0	
Bromochloromethane	ug/L	<1.0	1.0	
Tetrahydrofuran	ug/L	<90	90	
Chloroform	ug/L	<1.0	1.0	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	
Carbon tetrachloride	ug/L	<1.0	1.0	
Benzene	ug/L	<1.0	1.0	
t-Amyl Methyl Ether	ug/L	<5.0	5.0	
1,2-Dichloroethane	ug/L	<1.0	1.0	
Cyclohexane	ug/L	<5.0	5.0	
Trichloroethene	ug/L	<1.0	1.0	
1,2-Dichloropropane	ug/L	<1.0	1.0	
Dibromomethane	ug/L	<5.0	5.0	
Bromodichloromethane	ug/L	<1.0	1.0	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	
4-Methyl-2-pentanone	ug/L	<50	50	
Toluene	ug/L	<1.0	1.0	
rans-1,3-Dichloropropene	ug/L	<1.0	1.0	
,1,2-Trichloroethane	ug/L	<1.0	1.0	
Tetrachloroethene	ug/L	<1.0	1.0	
2-Hexanone	ug/L	<50	50	
Dibromochloromethane	ug/L	<5.0	5.0	
,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	
Chlorobenzene	ug/L	<1.0	1.0	
I,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	
Ethylbenzene	ug/L	<1.0	1.0	
n,p-Xylene	ug/L	<2.0	2.0	
-Xylene	ug/L	<1.0	1.0	
(ylenes, total	ug/L	<3.0	3.0	
Styrene	ug/L	<1.0	1.0	
Bromoform	ug/L	<1.0	1.0	
sopropylbenzene	ug/L	<5.0	5.0	
,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	
,2,3-Trichloropropane	ug/L	<1.0	1.0	
rans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	
Bromobenzene	ug/L	<1.0	1.0	
-Propylbenzene	ug/L	<1.0	1.0	
,3,5-Trimethylbenzene	ug/L	<1.0	1.0	
Butyl Benzene	ug/L	<1.0	1.0	
,2,4-Trimethylbenzene	ug/L	<1.0	1.0	
ec-Butylbenzene	ug/L	<1.0	1.0	
-Isopropyltoluene	ug/L	<5.0	5.0	
,3-Dichlorobenzene	ug/L	<1.0	1.0	
,4-Dichlorobenzene	ug/L	<1.0	1.0	

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METHOD BLANK: T014695-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
n-Butylbenzene	ug/L	<1.0	1.0	
1,2,3-Trimethylbenzene	ug/L	<1.0	1.0	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	
Hexachloroethane	ug/L	<5.0	5.0	
1,2,4-Trichlorobenzene	ug/L	<5.0	5.0	
Naphthalene	ug/L	<5.0	5.0	
1,2,3-Trichlorobenzene	ug/L	<5.0	5.0	
2-Methylnaphthalene	ug/L	<5.0	5.0	
1,2-Dichloroethane-d4 (S)	%	99	70-133	
Toluene-d8 (S)	%	105	76-125	
4-Bromofluorobenzene (S)	%	101	71-123	
1,2-Dichlorobenzene-d4 (S)	%	91	72-123	

LABORATORY CONTROL SAMPLE: T014695-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,1-Dichloroethene	ug/L	20.0	18.5	93	64-156	
Benzene	ug/L	20.0	19.0	95	80-120	
Trichloroethene	ug/L	20.0	19.4	97	69-133	
Toluene	ug/L	20.0	19.2	96	80-120	
Chlorobenzene	ug/L	20.0	18.9	95	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	44.6	99	70-133	
Toluene-d8 (S)	%	45.0	47.1	105	76-125	
4-Bromofluorobenzene (S)	%	45.0	46.3	103	71-123	
1,2-Dichlorobenzene-d4 (S)	%	45.0	43.4	97	72-123	

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014725

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous

Samples

Analysis Description: TCLP Volatiles

Analysis Method: EPA 8260B

METHOD BLANK: T014725-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Vinyl chloride	mg/L	<0.0010	0.0010	<u> </u>
1,1-Dichloroethene	mg/L	<0.0010	0.0010	
2-Butanone	mg/L	<0.0050	0.0050	
Chloroform	mg/L	<0.0010	0.0010	
Carbon tetrachloride	mg/L	<0.0010	0.0010	
Benzene	mg/L	<0.0010	0.0010	
1,2-Dichloroethane	mg/L	<0.0010	0.0010	

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METHOD BLANK: T014725-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Trichloroethene	mg/L	<0.0010	0.0010	
Tetrachloroethene	mg/L	<0.0010	0.0010	
Chlorobenzene	mg/L	<0.0010	0.0010	
1,4-Dichlorobenzene	mg/L	<0.0010	0.0010	
1,2-Dichloroethane-d4 (S)	%	96	70-133	
Toluene-d8 (S)	%	100	76-125	
4-Bromofluorobenzene (S)	%	95	72-123	
1,2-Dichlorobenzene-d4 (S)	%	97	71-123	

LABORATORY CONTROL SAMPLE: T014725-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Vinyl chloride	mg/L	0.0200	0.0206	103	47-184	
1,1-Dichloroethene	mg/L	0.0200	0.0208	104	64-156	
2-Butanone	mg/L	0.0200	0.0214	107	70-130	
Chloroform	mg/L	0.0200	0.0208	104	80-120	
Carbon tetrachloride	mg/L	0.0200	0.0197	98	79-141	
Benzene	mg/L	0.0200	0.0208	104	80-120	
,2-Dichloroethane	mg/L	0.0200	0.0206	103	80-120	
Trichloroethene	mg/L	0.0200	0.0212	106	69-133	
Tetrachloroethene	mg/L	0.0200	0.0190	95	70-120	
Chlorobenzene	mg/L	0.0200	0.0200	100	80-120	
,4-Dichlorobenzene	mg/L	0.0200	0.0198	99	80-120	
,2-Dichloroethane-d4 (S)	%	30.0	29.5	98	70-133	
oluene-d8 (S)	%	30.0	30.4	101	76-125	
-Bromofluorobenzene (S)	%	30.0	28.8	96	72-123	
,2-Dichlorobenzene-d4 (S)	%	30.0	29.8	99	71-123	

Original: T10B015-07

104

106

102

103

101

104

96

99

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014725-MSD1

Units

mg/L

MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
1.08	1.02	108	102	60-153	6	13	
1.07	1.03	107	103	60-146	4	15	
0.984	1.01	98	101	60-140	2	23	
1.03	1.00	103	100	68-124	3	13	
1.03	1.02	103	102	68-125	0.2	12	
1.06	1.06	106	106	78-114	0.1	11	

63-132

70-117

57-126

75-116

3

3

6

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11

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12

CERTIFICATE OF ANALYSIS

1.04

1.06

1.02

1.03

1.01

1.04

0.959

0.988

Spike

Conc.

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

Original

Result

0

0

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Parameter

Vinyl chloride

2-Butanone

Chloroform

Benzene

1,1-Dichloroethene

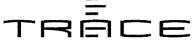
Carbon tetrachloride

1,2-Dichloroethane

Trichloroethene

Chlorobenzene

Tetrachloroethene



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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014725-MSD1

Origina	al·	T10	BO'	15-07

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
1,4-Dichlorobenzene	mg/L	0	1.00	0.986	0.990	99	99	69-118	0.5	18	
1,2-Dichloroethane-d4 (S)	%		30.0	28.6	28.4	95	95	70-133			
Toluene-d8 (S)	%		30.0	30.1	30.0	100	100	76-125			
4-Bromofluorobenzene (S)	%		30.0	28.5	28.7	95	96	72-123			
1,2-Dichlorobenzene-d4 (S)	%		30.0	29.8	29.8	99	99	71-123			

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014810

QC Batch Method: EPA 5035 Purge-and-Trap for Solids and

Wastes

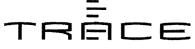
Analysis Description: Volatiles, Full MDEQ+ List

Analysis Method: EPA 8260B

METHOD BLANK: T014810-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Dichlorodifluoromethane	mg/kg wet	<0.050	0.050	
Chloromethane	mg/kg wet	<0.050	0.050	
Vinyl chloride	mg/kg wet	<0.040	0.040	
Bromomethane	mg/kg wet	<0.050	0.050	
Chloroethane	mg/kg wet	< 0.050	0.050	
richlorofluoromethane	mg/kg wet	< 0.050	0.050	
Diethyl ether	mg/kg wet	<0.20	0.20	
ert-butyl alcohol	mg/kg wet	<2.5	2.5	
,1-Dichloroethene	mg/kg wet	<0.050	0.050	
Acetone	mg/kg wet	<0.75	0.75	
odomethane	mg/kg wet	<0.050	0.050	
Carbon disulfide	mg/kg wet	<0.25	0.25	
Methyl-tert-butyl ether	mg/kg wet	<0.25	0.25	
Methylene chloride	mg/kg wet	<0.10	0.10	
crylonitrile	mg/kg wet	<0.10	0.10	
rans-1,2-Dichloroethene	mg/kg wet	<0.050	0.050	
,1-Dichloroethane	mg/kg wet	<0.050	0.050	
iisopropyl Ether	mg/kg wet	<0.25	0.25	
-Butanone	mg/kg wet	<0.75	0.75	
is-1,2-Dichloroethene	mg/kg wet	<0.050	0.050	
Butyl Ethyl Ether	mg/kg wet	<0.25	0.25	
romochloromethane	mg/kg wet	<0.050	0.050	
etrahydrofuran	mg/kg wet	<1.0	1.0	
Chloroform	mg/kg wet	<0.050	0.050	
,1,1-Trichloroethane	mg/kg wet	<0.050	0.050	
arbon tetrachloride	mg/kg wet	<0.050	0.050	
enzene	mg/kg wet	<0.050	0.050	
Amyl Methyl Ether	mg/kg wet	<0.25	0.25	
,2-Dichloroethane	mg/kg wet	<0.050	0.050	
cyclohexane	mg/kg wet	<0.25	0.25	

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METHOD BLANK: T014810-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Trichloroethene	mg/kg wet	<0.050	0.050	
,2-Dichloropropane	mg/kg wet	<0.050	0.050	
Dibromomethane	mg/kg wet	<0.050	0.050	
Bromodichloromethane	mg/kg wet	<0.050	0.050	
cis-1,3-Dichloropropene	mg/kg wet	<0.050	0.050	
4-Methyl-2-pentanone	mg/kg wet	<2.5	2.5	
Toluene	mg/kg wet	<0.050	0.050	
rans-1,3-Dichloropropene	mg/kg wet	<0.050	0.050	
1,1,2-Trichloroethane	mg/kg wet	<0.050	0.050	
Tetrachloroethene	mg/kg wet	<0.050	. 0.050	
-Hexanone	mg/kg wet	<2.5	2.5	
Dibromochloromethane	mg/kg wet	<0.050	0.050	
,2-Dibromoethane (EDB)	mg/kg wet	<0.050	0.050	
Chlorobenzene	mg/kg wet	<0.050	0.050	
1,1,1,2-Tetrachloroethane	mg/kg wet	<0.050	0.050	
Ethylbenzene	mg/kg wet	<0.050	0.050	
n,p-Xylene	mg/kg wet	<0.10	0.10	
-Xylene	mg/kg wet	<0.050	0.050	
(ylenes, total	mg/kg wet	<0.15	0.15	
Styrene	mg/kg wet	< 0.050	0.050	
Bromoform	mg/kg wet	<0.050	0.050	
sopropylbenzene	mg/kg wet	<0.050	0.050	
,1,2,2-Tetrachloroethane	mg/kg wet	<0.050	0.050	
,2,3-Trichloropropane	mg/kg wet	<0.050	0.050	
rans-1,4-Dichloro-2-butene	mg/kg wet	<0.050	0.050	
Bromobenzene	mg/kg wet	<0.050	0.050	
-Propylbenzene	mg/kg wet	<0.050	0.050	
,3,5-Trimethylbenzene	mg/kg wet	< 0.050	0.050	
Butyl Benzene	mg/kg wet	< 0.050	0.050	
,2,4-Trimethylbenzene	mg/kg wet	<0.050	0.050	
ec-Butylbenzene	mg/kg wet	<0.050	0.050	
-Isopropyltoluene	mg/kg wet	<0.050	0.050	
3-Dichlorobenzene	mg/kg wet	<0.050	0.050	
4-Dichlorobenzene	mg/kg wet	<0.050	0.050	
-Butylbenzene	mg/kg wet	<0.050	0.050	
,2,3-Trimethylbenzene	mg/kg wet	<0.050	0.050	
,2-Dichlorobenzene	mg/kg wet	<0.050	0.050	
2-Dibromo-3-chloropropane	mg/kg wet	<0.10	0.10	
exachloroethane	mg/kg wet	<0.050	0.050	
2,4-Trichlorobenzene	mg/kg wet	<0.050	0.050	
aphthalene	mg/kg wet	<0.25	0.25	
2,3-Trichlorobenzene	mg/kg wet	<0.050	0.050	
-Methylnaphthalene	mg/kg wet	<0.25	0.25	
,2-Dichloroethane-d4 (S)	%	102	70-133	
oluene-d8 (S)	%	105	76-125	

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METHOD BLANK: T014810-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
4-Bromofluorobenzene (S)	%	97	71-123	
1,2-Dichlorobenzene-d4 (S)	%	90	72-123	

LABORATORY CONTROL SAMPLE: T014810-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,1-Dichloroethene	mg/kg wet	1.00	0.934	93	64-156	
Benzene	mg/kg wet	1.00	0.967	97	80-120	
Trichloroethene	mg/kg wet	1.00	0.969	97	69-133	
Toluene	mg/kg wet	1.00	0.920	92	80-120	
Chlorobenzene	mg/kg wet	1.00	0.905	91	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	45.8	102	70-133	
Toluene-d8 (S)	%	45.0	44.9	100	76-125	
4-Bromofluorobenzene (S)	%	45.0	44.7	99	71-123	
1,2-Dichlorobenzene-d4 (S)	%	45.0	42.8	95	72-123	

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014812

QC Batch Method: EPA 5035 Purge-and-Trap for Solids and

Wastes

Analysis Description: Volatiles, Full MDEQ+ List

Analysis Method: EPA 8260B

METHOD BLANK: T014812-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Dichlorodifluoromethane	mg/kg wet	<0.050	0.050	
Chloromethane	mg/kg wet	<0.050	0.050	
Vinyl chloride	mg/kg wet	<0.040	0.040	
Bromomethane	mg/kg wet	<0.050	0.050	
Chloroethane	mg/kg wet	<0.050	0.050	
Trichlorofluoromethane	mg/kg wet	<0.050	0.050	
Diethyl ether	mg/kg wet	<0.20	0.20	
Tert-butyl alcohol	mg/kg wet	<2.5	2.5	
1,1-Dichloroethene	mg/kg wet	<0.050	0.050	
Acetone	mg/kg wet	<0.75	0.75	
lodomethane	mg/kg wet	<0.050	0.050	
Carbon disulfide	mg/kg wet	<0.25	0.25	
Methyl-tert-butyl ether	mg/kg wet	<0.25	0.25	
Methylene chloride	mg/kg wet	<0.10	0.10	
Acrylonitrile	mg/kg wet	<0.10	0.10	
trans-1,2-Dichloroethene	mg/kg wet	<0.050	0.050	
1,1-Dichloroethane	mg/kg wet	<0.050	0.050	
Diisopropyl Ether	mg/kg wet	<0.25	0.25	

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METHOD BLANK: T014812-BLK1

Units	Blank Result	Reporting Limit	Notes
mg/kg wet	<0.75	0.75	
mg/kg wet	<0.050	0.050	
mg/kg wet	<0.25	0.25	
mg/kg wet	<0.050	0.050	
mg/kg wet	<1.0	1.0	
mg/kg wet	< 0.050	0.050	
mg/kg wet	<0.050	0.050	
mg/kg wet	<0.050	0.050	
mg/kg wet	< 0.050	0.050	
mg/kg wet	<0.25	0.25	
mg/kg wet	<0.050	0.050	
mg/kg wet	<0.25	0.25	
mg/kg wet	<0.050	0.050	
mg/kg wet	<0.050	0.050	
mg/kg wet	<0.050	0.050	
	<0.050	0.050	
	<0.050	0.050	
= =	<2.5	2.5	
	<0.050		
	<0.050		
- -			
* =			
- -			
mg/kg wet	VCU.U2	UCU.U	
	mg/kg wet	Units Result mg/kg wet <0.75	Units Result Limit mg/kg wet <0.75

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METHOD BLANK: T014812-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
1,4-Dichlorobenzene	mg/kg wet	<0.050	0.050	
n-Butylbenzene	mg/kg wet	< 0.050	0.050	
1,2,3-Trimethylbenzene	mg/kg wet	<0.050	0.050	
1,2-Dichlorobenzene	mg/kg wet	< 0.050	0.050	
1,2-Dibromo-3-chloropropane	mg/kg wet	<0.10	0.10	
Hexachloroethane	mg/kg wet	<0.050	0.050	
1,2,4-Trichlorobenzene	mg/kg wet	<0.050	0.050	
Naphthalene	mg/kg wet	<0.25	0.25	
1,2,3-Trichlorobenzene	mg/kg wet	<0.050	0.050	
2-Methylnaphthalene	mg/kg wet	<0.25	0.25	
I,2-Dichloroethane-d4 (S)	%	114	70-133	
Foluene-d8 (S)	%	99	76-125	
I-Bromofluorobenzene (S)	%	88	71-123	
,2-Dichlorobenzene-d4 (S)	%	101	72-123	

LABORATORY CONTROL SAMPLE: T014812-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,1-Dichloroethene	mg/kg wet	1.00	0.734	73	64-156	
Benzene	mg/kg wet	1.00	0.947	95	80-120	
Trichloroethene	mg/kg wet	1.00	0.918	92	69-133	
Toluene	mg/kg wet	1.00	0.807	81	80-120	
Chlorobenzene	mg/kg wet	1.00	0.920	92	80-120	
1,2-Dichloroethane-d4 (S)	%	26.0	30.2	116	70-133	
Toluene-d8 (S)	%	26.0	26.1	100	76-125	
4-Bromofluorobenzene (S)	%	26.0	23.0	88	71-123	
1,2-Dichlorobenzene-d4 (S)	%	26.0	26.1	100	72-123	

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014662 Analysis Description: Solids, Dry Weight QC Batch Method: % Solids Analysis Method: % Calculation

Trace Project ID: T10B015

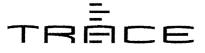
Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014685 Analysis Description: Solids, Dry Weight QC Batch Method: % Solids Analysis Method: % Calculation

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

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QC Batch: T014781 Analysis Description: Flash Point (Ignitability)
QC Batch Method: EPA 1010 Analysis Method: EPA 1010

LABORATORY CONTROL SAMPLE: T014781-BS1

Spike LCS LCS % Rec
Parameter Units Conc. Result % Rec Limit Notes

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014856 QC Batch Method: EPA 9012B Analysis Description: Cyanide, Total Analysis Method: EPA 9012B

METHOD BLANK: T014856-BLK1

Parameter Units Blank Reporting Limit Notes

Cyanide (total) mg/kg wet <0.12 0.12

LABORATORY CONTROL SAMPLE: T014856-BS1

 Parameter
 Units
 Spike Conc.
 LCS Result
 LCS % Rec Limit
 Notes

 Cyanide (total)
 mg/kg wet
 4.00
 3.58
 89
 81-111

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014724 QC Batch Method: EPA 9023 Analysis Description: Halides, Total Analysis Method: EPA 9023

METHOD BLANK: T014724-BLK1

Parameter Units Blank Reporting Limit Notes

Extractable Organic Halides mg/kg wet <50 50

LABORATORY CONTROL SAMPLE: T014724-BS1

Spike LCS LCS % Rec Parameter Conc. % Rec Units Result Notes Limit Extractable Organic Halides 500 399 80 70-124 mg/kg wet

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014668 Analys
QC Batch Method: EPA 9045C Analys

Analysis Description: Corrosivity (pH for waste), 9040/9045

Analysis Method: EPA 9045C

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SAMPLE DUPLICATE: T014668-DUP2 Original: T10B015-03

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Corrosivity-pH	pH Units	7.11	7.19	1	200	

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014723 QC Batch Method: EPA Chapter 7.3

Analysis Description: Reactivity - Sulfide Analysis Method: EPA Chapter 7.3

METHOD BLANK: T014723-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Sulfide, Reactive	ma/ka wet	<5.0	5.0	

LABORATORY CONTROL SAMPLE: T014723-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Sulfide, Reactive	mg/kg wet	5.00	<5.0	82	74-126	

Trace Project ID: T10B015

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014707 QC Batch Method: EPA Chapter 7.3 Reactivity Analysis Description: Reactivity - Cyanide Analysis Method: EPA Chapter 7.3 Reactivity

METHOD BLANK: T014707-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Cyanide, Reactive	mg/L	<0.50	0.50	

LABORATORY CONTROL SAMPLE: T014707-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Cyanide, Reactive	mg/L	0.200	<0.50	96	79-121	

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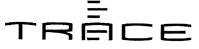
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In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

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SAMPLE LOG IN CHECKLIST

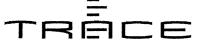
Date: 2 - 2 - 10	Client Name:	m	7	# of	Coolers:	1	
Trace ID # 7 10 8014	Project Name:	1		c	ooler #s:	· · · · · · · · · · · · · · · · · · ·	
T10 B015	Logged in by:	Sm	\mathcal{H}	с	ooler#s:	·.	
	CBol	er Re	ceipt				
	Trace courie	· 🔲			····	···	•
Cooler/samples delivered by:	Hand delivered			ivery person:		~	
	Commercial courie	雨	UPS		FED EX	€ Jus M	ail
Did cooler come with a bill of lading?	No Yes		Way Bill o	Not Applicable r Tracking #;	e		
COC Seals present and intact on cooler?	No Yes		Not Applicable				
Custody seals signed by Client?	No Yes	Clier	t custody seal #	(if applicable):			
	Coolant an	d Ta	mnaratura				
Type of Coolant Use			cooler Tempe	rature Correct	ion Facto	1+0.2	°C
1,750 0. 000.0	Yes No	1	Date: 2 · 2		10:22		
Slurry w/ crushed, cubed, or chip ice?				ature Blank:		°c_	-
Multiple bags of ice around samples?			Range of	f 3 samples:/	2	. °C	
Ice Packs/ Blue Ice :				Melt Water:		•c	
No Coolant Present:		<u> </u>	lce still present u	pon receipt: Y	es 📗	No	<u></u>
	G	enera	of .				
All bottles arrived unbroke	_	conditi	on?	arigi, an hai se resta se sessent tempopologico en historico de antica este "S. 1881 logico per mayor e			NA
Each sample	point is in a sealed pl Labels filled out co						$\vdash \vdash$
All bottle labels agree		•		to the second		ᆏᆖ	
	sample to run tests re		- 40		, , , , , , ,		
pH check	red and samples at co	orrect p	H?				\Box
Correct p	preservative added to	sampl	es?	and the state of t	<u></u>		
DRO/GRO samples received and approp		-	PROPERTY AND ADDRESS OF THE PROPERTY OF THE PR	nganganakan disardibihin Padrim kapangan kada disarmin sa menengan kalangan paganan			
	Air bubbles absent fro		***************************************	portugues and to the effect of the experimental and an enterior egypt a specific		┧╚	
	t properly and signed					#	님
Was project manager of	by TRACE sample o			and the second state of the second se			
Contact:		40000	Securitaria (Continue de Continue de Conti	Date:			
Odniaci.				Date.			
Notes:							
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Rev.8 11/21/06

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February 16, 2010

Ms. Jennifer Overvoorde RMT, Inc. 2025 E. Beltline Ave. SE Suite 402 Grand Rapids, MI 49546

Phone: (616) 975-5415 Fax: (616) 975-1098

RE:

Trace Project

T10B029

Client Project

LEC MW19HS1 Remediation / 6527.40

Dear Ms. Overvoorde:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink

Project Manager

Enclosures





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SAMPLE SUMMARY

Trace Project ID:

T10B029

Client Project ID:

LEC MW19HS1 Remediation / 6527.40

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T10B029-01	W19HS1-10-10	Soil	sp	02/02/10 11:00	02/03/10 10:42
T10B029-02	W19HS1-10-11 Composite	Soil	sp	02/02/10 14:45	02/03/10 10:42
T10B029-03	W19HS1-10-11 Grab	Soil	sp	02/02/10 14:45	02/03/10 10:42
T10B029-04	W19HS1-10-12	Soil	sp	02/02/10 15:00	02/03/10 10:42
T10B029-05	Trip Blank	Water	sp	01/11/10	02/03/10 10:42



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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

Matrix Spike MS

MSD Matrix Spike Duplicate Relative Percent Difference **RPD**

DUP Matrix Duplicate

RDL Reporting Detection Limit **Maximum Contamination Limit** MCL TIC **Tentatively Identified Compound**

<, ND or U Indicates the compound was analyzed for but not detected

Indicates a result that exceeds its associated MCL or Surrogate control limits

Indicates that the compound has not been evaluated by NELAC Ν

NA Indicates that the compound is not available.

DATA QUALIFIERS

Trace ID: T10B029-02	
Analysis: EPA 8082	
Decachlorobiphenyl	Note 304: The primary surrogate (decachlorobiphenyl) recovery for this sample fell outside the laboratory established control limits. The secondary surrogate (tetrachloro-m-xylene) recovery was in control. No data require qualification.
Analysis: EPA 8270C	
Phenol-d5	Note 801: One of the acid surrogate recoveries was outside the control limits. Since the other two acid surrogates were within the control limits, no data require qualification.



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ANALYTICAL RESULTS

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B029-01 Sample ID: W19HS1-10-10			Collected: Received:	02/02/10 11 02/03/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	ВҮ	ANALYZED	вү	NOTES	MCL
VOLATILE ORGANIC COMPOUND	S BY GC-MS								
Analysis Method: EPA 8015									
Batch: T014783									
Gasoline Range Organics (TPH)	4.8 mg/kg dry	4.0	50	02/05/10	jp	02/06/10	qį		
Surrogates: Fluorobenzene	113 %	80-130	50	02/05/10	jp	02/06/10	jp	N	
WET CHEMISTRY									
Analysis Method: % Calculation Batch: T014685									
% Solids	87 % by Wt.	0.10	1	02/03/10	sm	02/04/10	sm	N	
Analysis Method: EPA 9023									
Batch: T014724									
Extractable Organic Halides	210 mg/kg dry	56	1	02/04/10	rbp	02/05/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B029-02 Date Collected: 02/02/10 14:45 Matrix: Soil Sample ID: W19HS1-10-11 Composite Date Received: 02/03/10 10:42 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY NOTES MCL SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS Analysis Method: EPA 8270C Batch: T014709 Bis(2-chloroethyl)ether <0.20 mg/kg dry 0.20 5 02/04/10 kb 02/05/10 avl <0.50 mg/kg dry 5 02/04/10 kb 02/05/10 avl 2-Chlorophenol 0.50 Phenol < 0.50 mg/kg dry 0.50 5 02/04/10 kb 02/05/10 avl <0.50 mg/kg dry 5 02/04/10 kb 02/05/10 1,3-Dichlorobenzene avl 0.50 1,4-Dichlorobenzene <0.50 mg/kg dry 0.50 5 02/04/10 kb 02/05/10 avl 5 kb 02/05/10 < 0.50 mg/kg dry 02/04/10 avl 1,2-Dichlorobenzene 0.50 5 Benzyl alcohol <4.0 mg/kg dry 02/04/10 kb 02/05/10 avl 4.0 <0.50 mg/kg dry 5 02/04/10 kb 02/05/10 avl Bis(2-chloroisopropyl)ether 0.50 < 0.50 mg/kg dry 5 02/04/10 kb 02/05/10 avl 2-Methylphenol (o-Cresol) 0.50 5 02/04/10 kb 02/05/10 < 0.50 mg/kg dry avl 3,4-Methylphenol (m,p Cresol) 0.50 5 02/04/10 kb 02/05/10 avl N-Nitrosodi-n-propylamine <0.50 mg/kg dry 0.50 <0.50 mg/kg dry 5 02/04/10 02/05/10 kb Hexachioroethane 0.50 avl 5 02/05/10 <0.20 mg/kg dry 02/04/10 kb avl Nitrobenzene 0.20 5 02/04/10 kb 02/05/10 <0.50 mg/kg dry avi Isophorone 0.50 5 2-Nitrophenol <0.50 mg/kg dry 02/04/10 kb 02/05/10 avl 0.50 5 02/05/10 02/04/10 kb avl 2,4-Dimethylphenol <0.50 mg/kg dry 0.50 Bis(2-chloroethoxy)methane <0.50 mg/kg dry 5 02/04/10 kb 02/05/10 avl 0.50 Benzoic acid <7.2 mg/kg dry 7.2 5 02/04/10 kb 02/05/10 avl < 0.50 mg/kg dry 5 02/04/10 kb 02/05/10 avl 1.2.4-Trichlorobenzene 0.50 5 02/04/10 kb 02/05/10 avl 2,4-Dichlorophenol < 0.50 mg/kg dry 0.50 Naphthalene <0.50 mg/kg dry 5 02/04/10 kb 02/05/10 avl 0.50 5 02/04/10 kb 02/05/10

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4-Chloroaniline

Hexachlorobutadiene

2-Methylnaphthalene

2,4,6-Trichlorophenol

2,4,5-Trichlorophenol

2-Chloronaphthalene

Dimethyl phthalate

Acenaphthylene

3-Nitroaniline

Acenaphthene

2,6-Dinitrotoluene

2-Nitroaniline

4-Chloro-3-methylphenol

Hexachlorocyclopentadiene



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ANALYTICAL RESULTS

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B029-02 Date Collected: 02/02/10 14:45 Matrix: Soil Sample ID: W19HS1-10-11 Composite Date Received: 02/03/10 10:42 **PARAMETERS** RDL PREPARED BY ANALYZED **RESULTS UNITS** DILUTION BY **NOTES** MCL SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS Dibenzofuran < 0.50 mg/kg dry 5 02/04/10 kb 02/05/10 avl 0.50 2,4-Dinitrotoluene <0.50 mg/kg dry 5 02/04/10 kb 02/05/10 avl 0.50 4-Nitrophenol <4.0 mg/kg dry 5 02/04/10 kb 02/05/10 avl 4.0 2,4-Dinitrophenol <4.0 mg/kg dry 5 02/04/10 kb 02/05/10 avl 4.0 5 Diethyl phthalate < 0.50 mg/kg dry 02/04/10 kb 02/05/10 avl 0.50 Fluorene <0.50 mg/kg dry 5 02/04/10 kb 02/05/10 avl 0.50 5 02/04/10 02/05/10 4-Chlorophenyl phenyl ether <0.50 mg/kg dry kb 0.50 avi <0.50 mg/kg dry 5 02/04/10 kb 02/05/10 4-Nitroaniline avl 0.50 5 02/04/10 kb 4,6-Dinitro-2-methylphenol <1.0 mg/kg dry 02/05/10 avi 1.0 5 N-Nitrosodiphenylamine <0.50 mg/kg dry 0.50 02/04/10 kb 02/05/10 avl 5 4-Bromophenyl phenyl ether < 0.50 mg/kg dry 02/04/10 kb 02/05/10 avl 0.50 Hexachlorobenzene <0.50 mg/kg dry 5 02/04/10 kb 02/05/10 avl 0.50 Pentachlorophenol <2.2 mg/kg dry 2.2 5 02/04/10 kb 02/05/10 avl **Phenanthrene** 0.53 mg/kg dry 5 02/04/10 kb 02/05/10 0.20 avi 5 Anthracene <0.50 mg/kg dry 02/04/10 kb 02/05/10 avl 0.50 Carbazole <0.50 mg/kg dry 5 02/04/10 kb 02/05/10 0.50 avl 5 02/04/10 kb 02/05/10 Di-n-butyl phthalate <0.50 mg/kg dry avi 0.50 Fluoranthene 0.53 mg/kg dry 5 02/04/10 kb 02/05/10 avl 0.20 Pyrene 0.59 mg/kg dry 0.50 5 02/04/10 kb 02/05/10 avl Butyl benzyl phthalate <0.50 mg/kg dry 5 02/04/10 kb 02/05/10 avl 0.50 5 Benzo (a) anthracene 0.28 mg/kg dry 02/04/10 kb 02/05/10 avl 0.20 Chrysene 0.29 mg/kg dry 5 02/04/10 kb 02/05/10 avl 0.20 3,3'-Dichlorobenzidine <4.0 mg/kg dry 5 02/04/10 02/05/10 kb avl N 4.0 Bis(2-ethylhexyl)phthalate 5 02/04/10 02/05/10 14 mg/kg dry 0.50 kb avl Di-n-octyl phthalate < 0.50 mg/kg dry 5 02/04/10 kb 02/05/10 avl 0.50 5 Benzo (b) fluoranthene 0.26 mg/kg dry 0.20 02/04/10 kb 02/05/10 avl Benzo (k) fluoranthene <0.20 mg/kg dry 5 02/04/10 kb 02/05/10 avl 0.20 5 Benzo (a) pyrene 0.22 mg/kg dry 0.20 02/04/10 kb 02/05/10 avl 5 Indeno (1,2,3-cd) pyrene < 0.20 mg/kg dry 02/04/10 kb 02/05/10 avl 0.20 Dibenz (a,h) anthracene <0.20 mg/kg dry 5 02/04/10 kb 02/05/10 0.20 avl 5 Benzo (g,h,i) perylene < 0.20 mg/kg dry 02/04/10 kb 02/05/10 avl 0.20 Surrogates: 38 % 2-Fluorophenol 5 38-81 02/04/10 kb 02/05/10 avl Phenol-d5 28 % 801 32-102 5 02/04/10 kb 02/05/10 avl 39 % Nitrobenzene-d5 36-98 5 02/04/10 kb 02/05/10 avl 44 % 2-Fluorobiphenyl 44-105 5 02/04/10 kb 02/05/10 avl 38 %

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02/04/10

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2,4,6-Tribromophenol



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ANALYTICAL RESULTS

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B029-02 W19HS1-10-11 Compos	ite		Collected: Received:	02/02/10 14 02/03/10 10		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
SEMI-VOL	ATILE ORGANIC COM	POUNDS BY GC-MS								
Terpher	nyl-d14	49 %	46-109	5	02/04/10	kb	02/05/10	avl		
SEMI-VOL	ATILE ORGANIC COM	POUNDS, TCLP								
Analysis Me	ethod: EPA 8270C									
Batch:	T014741									
Pyridine		<0.40 mg/L	0.40	2	02/05/10	kb	02/08/10	avl		5.0
2-Methylp	henol (o-Cresol)	<0.050 mg/L	0.050	2	02/05/10	kb	02/08/10	avl		200
3,4-Methy	(Iphenol (m,p Cresol)	<0.050 mg/L	0.050	2	02/05/10	kb	02/08/10	avl		200
Hexachlo	roethane	<0.050 mg/L	0.050	2	02/05/10	kb	02/08/10	avl		3.0
Nitrobenz	ene	<0.020 mg/L	0.020	2	02/05/10	kb	02/08/10	avl		2.0
Hexachlo	robutadiene	<0.050 mg/L	0.050	2	02/05/10	kb	02/08/10	avl		0.50
2,4,6-Tric	hlorophenol	<0.020 mg/L	0.020	2	02/05/10	kb	02/08/10	avl		2.0
2,4,5-Tric	hlorophenol	<0.050 mg/L	0.050	2	02/05/10	kb	02/08/10	avl		400
2,4-Dinitro	otoluene	<0.050 mg/L	0.050	2	02/05/10	kb	02/08/10	avl		0.13
Hexachio	robenzene	<0.050 mg/L	0.050	2	02/05/10	kb	02/08/10	avl		0.13
Pentachlo	prophenol	<0.10 mg/L	0.10	2	02/05/10	kb	02/08/10	avl		100
Surrogate	es:									
2-Fluoro	phenol	42 %	20-53	2	02/05/10	kb	02/08/10	avl		
Phenol-	d5	26 %	11-40	2	02/05/10	kb	02/08/10	avl		
Nitrober	zene-d5	66 %	36-103	2	02/05/10	kb	02/08/10	avl		
2-Fluoro	biphenyl	65 %	36-119	2	02/05/10	kb	02/08/10	avl		
2,4,6-Tr	ibromophenol	72 %	30-105	2	02/05/10	kb	02/08/10	avl		
Terphen	yl-d14	77 %	37-109	2	02/05/10	kb	02/08/10	avl		
PESTICIDE	S/PCBS									
Analysis Me	thod: EPA 8082									
Batch: 7	014728									
Aroclor-10	016	<0.079 mg/kg dry	0.079	1	02/04/10	kb	02/08/10	tim		
Aroclor-12	21	<0.079 mg/kg dry	0.079	1	02/04/10	kb	02/08/10	tim		
Aroclor-12	32	<0.079 mg/kg dry	0.079	1	02/04/10	kb	02/08/10	tim		
Aroclor-12	142	<0.079 mg/kg dry	0.079	1	02/04/10	kb	02/08/10	tim		
Aroclor-12	48	<0.079 mg/kg dry	0.079	1	02/04/10	kb	02/08/10	tim		
Aroclor-12		2.8 mg/kg dry	0.79	10	02/04/10	kb	02/08/10	tim		
Aroclor-12	60	<0.079 mg/kg dry	0.079	1	02/04/10	kb	02/08/10	tim		
Surrogate	es:	- · ·								
-	oro-m-xylene	46 %	40-113	1	02/04/10	kb	02/08/10	tim	N	
Decachi	orobiphenyl	* 31 %	32-111	1	02/04/10	kb	02/08/10	tim	304, N	

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ANALYTICAL RESULTS

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B029-02 W19HS1-10-11 Composit	e		Collected: Received:	02/02/10 14 02/03/10 10		Matrix:	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
PESTICIDE	ES/PCBS									
PESTICIDE	ES/PCBS, TCLP									
Analysis Me	ethod: EPA 8081A									
Batch:	Т014749									
Chlordane	е	<0.00050 mg/L	0.00050	1	02/05/10	kb	02/08/10	tim		0.030
Endrin		<0.00010 mg/L	0.00010	1	02/05/10	kb	02/08/10	tim		0.020
gamma-B	HC (Lindane)	<0.00010 mg/L	0.00010	1	02/05/10	kb	02/08/10	tim		0.40
Heptachlo	or	<0.00010 mg/L	0.00010	1	02/05/10	kb	02/08/10	tim		0.0080
Heptachlo	or epoxide	<0.00010 mg/L	0.00010	1	02/05/10	kb	02/08/10	tim		0.0080
Methoxyc	hlor	<0.00010 mg/L	0.00010	1	02/05/10	kb	02/08/10	tim		10
Toxaphen	e	<0.0050 mg/L	0.0050	1	02/05/10	kb	02/08/10	tim		0.50
Surrogate										
Tetrachi	loro-m-xylene	71 %	38-94	1	02/05/10	kb	02/08/10	tim	N	
Decachi	orobiphenyl	72 %	40-93	1	02/05/10	kb	02/08/10	tim	N	
HERBICIDI	ES, TCLP									
Analysis Me	thod: EPA 8151A									
Batch: 7	T014742									
2,4-D		<0.050 mg/L	0.050	1	02/05/10	kb	02/09/10	tim	N	10
2,4,5-TP ((Silvex)	<0.025 mg/L	0.025	1	02/05/10	kb	02/09/10	tim	N	1.0
Surrogate	es:									
2,4-Dich	lorophenylacetic acid	95 %	39-125	1	02/05/10	kb	02/09/10	tim	N	
METALS, T	OTAL									
Analysis Me	thod: EPA 6010B									
Batch: T	⁻ 014764									
Barium		120 mg/kg dry	0.97	1	02/08/10	jd	02/09/10	jlm		
Cadmium		6.9 mg/kg dry	0.19	1	02/08/10	jd	02/09/10	jlm		
Chromiun	n	17 mg/kg dry	0.97	1	02/08/10	jd	02/09/10	jlm		
Copper		58 mg/kg dry	0.97	1	02/08/10	jd	02/09/10	jlm		
Lead		76 mg/kg dry	0.97	1	02/08/10	jd	02/09/10	jlm		
Nickel		14 mg/kg dry	0.97	1	02/08/10	jd	02/10/10	jlm		
Vanadium	ı	40 mg/kg dry	0.97	1	02/08/10	jm	02/15/10	jlm		

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110 mg/kg dry

0.97

1

02/08/10

jd

02/10/10

jlm

Zinc



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ANALYTICAL RESULTS

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B029-02 Date Collected: 02/02/10 14:45 Matrix: Soil Sample ID: W19HS1-10-11 Composite Date Received: 02/03/10 10:42 **PARAMETERS RESULTS UNITS** RDL PREPARED BY ANALYZED **NOTES** MCL DILUTION BY **METALS, TOTAL** Analysis Method: EPA 6020 Batch: T014764 10 mg/kg dry 10 02/08/10 02/08/10 Arsenic jd jn 0.097 Selenium 1.3 mg/kg dry 10 02/08/10 jđ 02/08/10 jn 0.19 Silver 0.13 mg/kg dry 10 02/09/10 jd 02/10/10 0.097 jn Analysis Method: EPA 7471A Batch: T014764 Mercury 0.21 mg/kg dry 02/08/10 jd 02/10/10 1 jd 0.029 METALS, TCLP Analysis Method: EPA 6010B Batch: T014705 5.0 <0.30 mg/L 02/04/10 02/08/10 Arsenic 0.30 1 jd jlm Barium <1.0 mg/L 1 02/04/10 jd 02/08/10 100 1.0 jlm Cadmium <0.10 mg/L 1 02/04/10 jd 02/08/10 1.0 0.10 jlm Chromium <0.50 mg/L 0.50 1 02/04/10 jd 02/08/10 jlm 5.0 <0.50 mg/L 02/04/10 02/08/10 Copper 1 jd ilm 0.50 Lead <0.50 mg/L 1 02/04/10 jd 02/08/10 jlm 5.0 0.50 Nickel <0.50 mg/L 0.50 1 02/04/10 jd 02/08/10 jlm Selenium <0.60 mg/L 1 02/04/10 02/08/10 1.0 0.60 id jlm Silver <0.10 mg/L 1 02/04/10 jd 02/08/10 5.0 jlm 0.10 Zinc 3.3 mg/L 1 02/04/10 jd 02/08/10 ilm 0.50 Analysis Method: EPA 7470A Batch: T014737 <0.010 mg/L 1 02/05/10 jd 02/05/10 jlm 0.20 Mercury 0.010



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ANALYTICAL RESULTS

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:	T10B029-02		Date	Collected:	02/02/10 1	4:45	Matrix:	Soil		
Sample ID:	W19HS1-10-11 Composite		Date	Received:	02/03/10 1	0:42				
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARE	D BY	ANALYZED	вү	NOTES	MCL
WET CHEM	MISTRY									
Analysis Me	ethod: % Calculation									
Batch:										
% Solids		83 % by Wt.	0.10	1	02/03/10	sm	02/04/10	sm	N	
Analysis Me	ethod: EPA 1010									
Batch: 7	T014781									
Flashpoin	t	> 200 °F	1.0	1	02/08/10	sm	02/09/10	sm		
Analysis Me	ethod: EPA 9012B									
Batch: 7	T014856									
Cyanide (total)	0.14 mg/kg dry	0.11	1	02/12/10	sm	02/12/10	sm	N	
Analysis Me	thod: EPA 9045C									
Batch: 7	Г014696									
Corrosivi	ty-pH	8.12 pH Units		1	02/03/10	sm	02/03/10	sm	N	
Analysis Me	thod: EPA Chapter 7.3									
Batch: 7	T014723									
Sulfide, R	eactive	<5.9 mg/kg dry	5.9	1	02/04/10	bd	02/04/10	bd	N	
Analysis Me	thod: EPA Chapter 7.3 Reactiv	<u>vity</u>								
Batch: 7	T014707									
Cyanide, F	Reactive	<0.50 mg/L	0.50	1	02/04/10	sm	02/04/10	sm	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B029-03 W19HS1-10-11 Grab			Collected:	02/02/10 14 02/03/10 10		Matrix: \$	Soil		
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED) BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUND	OS BY GC-MS								
Analysis Me	ethod: EPA 8260B									
Batch:	T014757									
Chlorome	thane	<250 ug/kg dry	250	50	02/05/10	jp	02/05/10	jp		
Vinyl chlo	ride	<40 ug/kg dry	40	50	02/05/10	jp	02/05/10	jp	N	
Bromome	thane	<200 ug/kg dry	200	50	02/05/10	jp	02/05/10	jp		
Chloroeth	ane	<250 ug/kg dry	250	50	02/05/10	jp	02/05/10	jp		
1,1-Dichlo	proethene	<50 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		
Acetone		<1000 ug/kg dry	1000	50	02/05/10	jp	02/05/10	jp		
Carbon di	sulfide	<250 ug/kg dry	250	50	02/05/10	jp	02/05/10	jp		
Methylene	e chloride	<250 ug/kg dry	250	50	02/05/10	jp	02/05/10	jp		
1,1-Dichlo	proethane	<50 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		
2-Butanor	ne	<750 ug/kg dry	750	50	02/05/10	jp	02/05/10	jp		
1,2-Dichlo	proethene (total)	<100 ug/kg dry	100	50	02/05/10	jp	02/05/10	jp	N	
Chloroforr	m	<50 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		
1,1,1-Tricl	hloroethane	<50 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		
Carbon te	trachloride	<50 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		
Benzene		<50 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		
1,2-Dichlo	proethane	<50 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		
Trichloro	ethene	55 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		
1,2-Dichlo	propropane	<50 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		
Bromodic	hloromethane	<100 ug/kg dry	100	50	02/05/10	jp	02/05/10	jp		
cis-1,3-Did	chloropropene	<50 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		
4-Methyl-2	2-pentanone	<2500 ug/kg dry	2500	50	02/05/10	jp	02/05/10	jp		
Toluene		32000 ug/kg dry	480	1000	02/05/10	jp	02/05/10	jp		
trans-1,3-I	Dichloropropene	<50 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		
	hloroethane	<50 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		
Tetrachlo	roethene	130 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		
2-Hexanor	ne	<2500 ug/kg dry	2500	50	02/05/10	jp	02/05/10	jp		
Dibromoch	hloromethane	<100 ug/kg dry	100	50	02/05/10	jp	02/05/10	jp		
Chloroben	zene	<50 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		
Ethylbenz	zene	920 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		
m,p-Xylen		4100 ug/kg dry	100	50	02/05/10	jp	02/05/10	jp	N	
o-Xylene		1200 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp	N	
Xylenes, t	total	5400 ug/kg dry	150	50	02/05/10	jp	02/05/10	jp		
Styrene		<50 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		
Bromoforn	n	<100 ug/kg dry	100	50	02/05/10	jp	02/05/10	jp		
	trachloroethane	<50 ug/kg dry	50	50	02/05/10	jp	02/05/10	jp		

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ANALYTICAL RESULTS

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B029-03 Sample ID: W19HS1-10-11 G	rab		Collected: Received:	02/02/10 14: 02/03/10 10:		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	вү	NOTES	MCL
VOLATILE ORGANIC COM	POUNDS BY GC-MS								
Surrogates:									
1,2-Dichloroethane-d4	94 %	70-133	50	02/05/10	jp	02/05/10	jp		
1,2-Dichloroethane-d4	95 %	70-133	1000	02/05/10	jp	02/05/10	jp		
Toluene-d8	106 %	76-125	50	02/05/10	jp	02/05/10	jp		
Toluene-d8	104 %	76-125	1000	02/05/10	jp	02/05/10	jp		
4-Bromofluorobenzene	103 %	71-123	50	02/05/10	jp	02/05/10	jp		
4-Bromofluorobenzene	104 %	71-123	1000	02/05/10	jp	02/05/10	jp		
1,2-Dichlorobenzene-d4	92 %	72-123	50	02/05/10	jp	02/05/10	jp		
1,2-Dichlorobenzene-d4	93 %	72-123	1000	02/05/10	jp	02/05/10	jp		
VOLATILE ORGANIC COMP	POUNDS, TCLP								
Analysis Method: EPA 8260B									
Batch: T014758									
Vinyl chloride	<0.050 mg/L	0.050	50	02/05/10	jp	02/05/10	jp		0.20
1,1-Dichloroethene	<0.050 mg/L	0.050	50	02/05/10	jp	02/05/10	jp		0.70
2-Butanone	<0.25 mg/L	0.25	50	02/05/10	jp	02/05/10	jp		200
Chloroform	<0.050 mg/L	0.050	50	02/05/10	jp	02/05/10	jp		6.0
Carbon tetrachloride	<0.050 mg/L	0.050	50	02/05/10	jp	02/05/10	jp		0.50
Benzene	<0.050 mg/L	0.050	50	02/05/10	jp	02/05/10	jp		0.50
1,2-Dichloroethane	<0.050 mg/L	0.050	50	02/05/10	jp	02/05/10	jp		0.50
Trichloroethene	<0.050 mg/L	0.050	50	02/05/10	jp	02/05/10	jp		0.50
Tetrachioroethene	<0.050 mg/L	0.050	50	02/05/10	jp	02/05/10	jp		0.70
Chlorobenzene	<0.050 mg/L	0.050	50	02/05/10	jp	02/05/10	jp		100
1,4-Dichlorobenzene	<0.050 mg/L	0.050	50	02/05/10	jp	02/05/10	jp		7.5
Surrogates:	-				•				
1,2-Dichloroethane-d4	94 %	70-133	50	02/05/10	jp	02/05/10	jp		
Toluene-d8	103 %	76-125	50	02/05/10	jp	02/05/10	jp		
4-Bromofluorobenzene	103 %	72-123	50	02/05/10	jp	02/05/10	jp		
	93 %								



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ANALYTICAL RESULTS

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:

T10B029-03

Date Collected:

02/02/10 14:45

Matrix: Soil

Sample ID:

W19HS1-10-11 Grab

Date Received:

02/03/10 10:42

PARAMETERS RESULTS UNITS RDL DILUTION

PREPARED BY ANALYZED BY

NOTES MCL

WET CHEMISTRY

Analysis Method: % Calculation

Batch: T014685

% Solids

82 % by Wt.

0.10

02/03/10

02/04/10



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ANALYTICAL RESULTS

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B029-04 Sample ID: W19HS1-10-12			Collected: Received:	02/02/10 15 02/03/10 10		Matrix:	Soil		_
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUND Analysis Method: EPA 8015 Batch: T014783	S BY GC-MS				-				
Gasoline Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/05/10	jp	02/06/10	jp		
Surrogates: Fluorobenzene	101 %	80-130	50	02/05/10	jp	02/06/10	jp	N	
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014685									
% Solids	93 % by Wt.	0.10	1	02/03/10	sm	02/04/10	sm	N	
Analysis Method: EPA 9023 Batch: T014724									
Extractable Organic Halides	<51 mg/kg dry	51	1	02/04/10	rbp	02/05/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Frace ID: T10B029-05 Sample ID: Trip Blank			Collected: Received:	01/11/10 02/03/10 10:	42	Matrix: \	Water		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
OLATILE ORGANIC COMPO	UNDS BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T014759									
Dichlorodifluoromethane	<5.0 ug/L	5.0	1	02/05/10	jp	02/05/10	jp		
Chloromethane	<5.0 ug/L	5.0	1	02/05/10	jp	02/05/10	jp		
Vinyl chloride	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
Bromomethane	<5.0 ug/L	5.0	1	02/05/10	jp	02/05/10	jp		
Chloroethane	<5.0 ug/L	5.0	1	02/05/10	jp	02/05/10	jp		
Trichlorofluoromethane	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
Diethyl ether	<10 ug/L	10	1	02/05/10	jp	02/05/10	jp	N	
Tert-butyl alcohol	<50 ug/L	50	1	02/05/10	jp	02/05/10	jp	N	
1,1-Dichloroethene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
Acetone	<50 ug/L	50	1	02/05/10	jp	02/05/10	jp		
Iodomethane	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp	N	
Carbon disulfide	<5.0 ug/L	5.0	1	02/05/10	jp	02/05/10	jp		
Methyl-tert-butyl ether	<5.0 ug/L	5.0	1	02/05/10	jp	02/05/10	jp		
Methylene chloride	<5.0 ug/L	5.0	1	02/05/10	jp	02/05/10	jp		
Acrylonitrile	<2.0 ug/L	2.0	1	02/05/10	jp	02/05/10	jp		
trans-1,2-Dichloroethene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
1,1-Dichloroethane	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
Diisopropyl Ether	<5.0 ug/L	5.0	1	02/05/10	jp	02/05/10	jp	N	
2-Butanone	<25 ug/L	25	1	02/05/10	jp	02/05/10	jp		
cis-1,2-Dichloroethene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
t-Butyl Ethyl Ether	<5.0 ug/L	5.0	1	02/05/10	jp	02/05/10	jp	N	
Bromochioromethane	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
Tetrahydrofuran	<90 ug/L	90	1	02/05/10	jp	02/05/10	jp	N	
Chloroform	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
1,1,1-Trichloroethane	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
Carbon tetrachloride	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
Benzene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
t-Amyl Methyl Ether	<5.0 ug/L	5.0	1	02/05/10	jp	02/05/10	jp	N	
1,2-Dichloroethane	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp	,,	
Cyclohexane	<5.0 ug/L	5.0	1	02/05/10	jp	02/05/10	jр	N	
Trichloroethene	<1.0 ug/L	5.0 1.0	1	02/05/10	jp	02/05/10	jp	14	
1,2-Dichloropropane	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10			
Dibromomethane	<5.0 ug/L		1	02/05/10		02/05/10	jp in		
Bromodichloromethane	<5.0 ug/L <1.0 ug/L	5.0	1	02/05/10	jp in	02/05/10	jp in		
cis-1,3-Dichloropropene	<1.0 ug/L <1.0 ug/L	1.0 1.0	1		jp jp	02/05/10	jp jp		

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ANALYTICAL RESULTS

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B029-05 Sample ID: Trip Blank			Date Collected: Date Received:		01/11/10 02/03/10 10:42		Matrix: Water		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	ВҮ	ANALYZED	BY	NOTES	MC
VOLATILE ORGANIC COMPOU	NDS BY GC-MS								
4-Methyl-2-pentanone	<50 ug/L	50	1	02/05/10	jp	02/05/10	jp		
Toluene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
trans-1,3-Dichloropropene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
1,1,2-Trichloroethane	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
Tetrachloroethene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
2-Hexanone	<50 ug/L	50	1	02/05/10	jp	02/05/10	jp		
Dibromochloromethane	<5.0 ug/L	5.0	1	02/05/10	jp	02/05/10	jp		
1,2-Dibromoethane (EDB)	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
Chlorobenzene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
1,1,1,2-Tetrachloroethane	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
Ethylbenzene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
m,p-Xylene	<2.0 ug/L	2.0	1	02/05/10	jp	02/05/10	jp	N	
o-Xylene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp	N	
Xylenes, total	<3.0 ug/L	3.0	1	02/05/10	jp	02/05/10	jp	N	
Styrene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
Bromoform	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
Isopropylbenzene	<5.0 ug/L	5.0	1	02/05/10	jp	02/05/10	jp		
1,1,2,2-Tetrachloroethane	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
1,2,3-Trichloropropane	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
trans-1,4-Dichloro-2-butene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
Bromobenzene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
n-Propylbenzene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
1,3,5-Trimethylbenzene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jр		
t-Butyl Benzene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
1,2,4-Trimethylbenzene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
sec-Butylbenzene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jр		
p-Isopropyltoluene	<5.0 ug/L	5.0	1	02/05/10	jp	02/05/10	jp		
1,3-Dichlorobenzene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
1,4-Dichlorobenzene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
n-Butylbenzene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
1,2,3-Trimethylbenzene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp	N	
1,2-Dichlorobenzene	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
1,2-Dibromo-3-chloropropane	<1.0 ug/L	1.0	1	02/05/10	jp	02/05/10	jp		
Hexachloroethane	<5.0 ug/L	5.0	1		jp	02/05/10	jp	N	
1,2,4-Trichlorobenzene	<5.0 ug/L	5.0	1		jp	02/05/10	jp		
Naphthalene	<5.0 ug/L	5.0	1	_	jp	02/05/10	jp	N	
1,2,3-Trichlorobenzene	<5.0 ug/L	5.0	1		jр	02/05/10	jр	••	

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ANALYTICAL RESULTS

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B029-05 Sample ID: Trip Blank			Date Collected: Date Received:		01/11/10 02/03/10 10:42		Matrix: Water		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOU	JNDS BY GC-MS								
2-Methylnaphthalene	<5.0 ug/L	5.0	1	02/05/10	jp	02/05/10	jp	N	
Surrogates: 1,2-Dichloroethane-d4	94 %	70-133	1	02/05/10	jp	02/05/10	jp		
Toluene-d8	105 %	76-125	1	02/05/10	jp	02/05/10	jp		
4-Bromofluorobenzene	105 %	71-123	1	02/05/10	jp	02/05/10	jp		
1,2-Dichlorobenzene-d4	94 %	72-123	1	02/05/10	jp	02/05/10	jp		



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QUALITY CONTROL RESULTS

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014739

QC Batch Method: Leaching proceedures

Analysis Description: TCLP Extraction, SVOC

Analysis Method: EPA 1311

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014705

QC Batch Method: EPA 3015 Microwave Assisted

Digestions for Liquids

Analysis Description: Lead, TCLP Analysis Method: EPA 6010B

METHOD BLANK: T014705-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	•
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Copper	mg/L	<0.50	0.50	
Nickel	mg/L	<0.50	0.50	
Lead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	
Zinc	mg/L	<0.50	0.50	

METHOD BLANK: T014705-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
admium	mg/L	<0.10	0.10	
hromium	mg/L	<0.50	0.50	
opper	mg/L	<0.50	0.50	
ickel	mg/L	<0.50	0.50	
ead	mg/L	<0.50	0.50	
elenium	mg/L	<0.60	0.60	
nc	mg/L	<0.50	0.50	

METHOD BLANK: T014705-BLK3

		Blank Reporting	
Parameter	Units	Result Limit	Notes



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METHOD BLANK: T014705-BLK3

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Copper	mg/L	<0.50	0.50	
Nickel	mg/L	<0.50	0.50	
Lead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	
Zinc	mg/L	<0.50	0.50	

LABORATORY CONTROL SAMPLE: T014705-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Silver	mg/L	0.0278	<0.10	95	80-120	
Arsenic	mg/L	0.0556	<0.30	99	80-120	
Barium	mg/L	0.889	<1.0	101	80-120	
Cadmium	mg/L	0.0278	<0.10	98	80-120	
Chromium	mg/L	0.0278	<0.50	101	80-120	
Copper	mg/L	0.889	0.880	99	80-120	
Nickel	mg/L	0.889	0.871	98	80-120	
Lead	mg/L	0.0556	<0.50	102	80-120	
Selenium	mg/L	0.0556	<0.60	94	80-120	
Zinc	mg/L	0.889	0.895	101	80-120	

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014764

QC Batch Method: EPA 3051 Microwave Assisted

Digestions for Solids

Analysis Description: Copper, Total Analysis Method: EPA 6010B

METHOD BLANK: T014764-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Barium	mg/kg dry	<1.0	1.0	
Cadmium	mg/kg dry	<0.20	0.20	
Chromium	mg/kg dry	<2.0	2.0	
Copper	mg/kg dry	<1.0	1.0	
Nickel	mg/kg dry	<1.0	1.0	
Lead	mg/kg dry	<1.0	1.0	

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METHOD BLANK: T014764-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Vanadium	mg/kg dry	<1.0	1.0	
Zinc	mg/kg dry	<1.0	1.0	

LABORATORY CONTROL SAMPLE: T014764-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Barium	mg/kg dry	40.0	37.4	93	80-120	
Cadmium	mg/kg dry	40.0	37.8	94	80-120	
Chromium	mg/kg dry	40.0	37.5	94	80-120	
Copper	mg/kg dry	40.0	37.2	93	80-120	
Nickel	mg/kg dry	40.0	37.6	94	80-120	
Lead	mg/kg dry	40.0	37.9	95	80-120	
Vanadium	mg/kg dry	40.0	38.9	97	80-120	
Zinc	mg/kg dry	40.0	38.7	97	80-120	

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014764

QC Batch Method: EPA 3051 Microwave Assisted

Digestions for Solids

Analysis Description: Selenium, Total

Analysis Method: EPA 6020

METHOD BLANK: T014764-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Arsenic	mg/kg dry	<0.10	0.10	
Selenium	mg/kg dry	<0.20	0.20	

LABORATORY CONTROL SAMPLE: T014764-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Arsenic	mg/kg dry	5.00	4.15	83	80-120	
Selenium	mg/kg dry	5.00	4.23	85	80-120	

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014785

QC Batch Method: EPA 3051 Microwave Assisted Digestion

with HCI

Analysis Description: Silver, Total Analysis Method: EPA 6020



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Parameter	Units		Blank Result	Reporting Limit		Note
Silver	mg/kg dry		<0.10	0.10		
LABORATORY COM	ITROL SAMPLE: T01478	5-BS1				
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Note
Silver	mg/kg dry	5.00	5.46	109	80-120	
			ace Project ID: T10)B029 C MW19HS1 Remedia	ation / 6527.40	
QC Batch: T014737				is Description: Mercur		
QC Batch Method: EF	PA 7470A Prep		Analys	is Method: EPA 7470	A	
METHOD BLANK: T	014737-BLK1		Blank	Down and the second		
Parameter	Units		Result	Reporting Limit		Notes
Mercury	mg/L		<0.010	0.010		
METHOD BLANK: T	014737-BLK2					
Parameter	Units	_	Blank Result	Reporting Limit	-	Notes
Mercury	mg/L		<0.010	0.010		
METHOD BLANK: TO	014737-BLK3					
Parameter	Units	 =	Blank Result	Reporting Limit	·-	Notes
Mercury	mg/L		<0.010	0.010		
LABORATORY CON	TROL SAMPLE: T01473	7-BS1				
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	mg/L	0.00200	<0.010	104	80-120	
			ace Project ID: T10 ent Project ID: LEC	B029 : MW19HS1 Remedia	tion / 6527.40	
QC Batch: T014764 QC Batch Method: EP. Digestions for Solids	A 3051 Microwave Assisted			s Description: Mercury s Method: EPA 7471	v, Total, EPA 7470/7471	

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Result

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Reporting

Limit

Units

Parameter

Notes



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METHOD BLANK: T014764-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/kg dry	<0.050	0.050	

LABORATORY CONTROL SAMPLE: T014764-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	mg/kg dry	0.200	0.174	87	77-122	

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014700 Analysis Description: TCLP Extraction, Metals

QC Batch Method: Leaching proceedures Analysis Method: EPA 1311

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014740 Analysis Description: TCLP ZHE, Volatiles

QC Batch Method: Leaching proceedures Analysis Method: EPA 1311

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014749 Analysis Description: TCLP Pesticides

QC Batch Method: EPA 3510C Separatory Funnel Analysis Method: EPA 8081A

Liquid-Liquid Extr.

METHOD BLANK: T014749-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Chlordane	mg/L	<0.000050	0.000050	
Endrin	mg/L	<0.000010	0.000010	
gamma-BHC (Lindane)	mg/L	<0.000010	0.000010	
Heptachlor	mg/L	<0.000010	0.000010	
Heptachlor epoxide	mg/L	<0.000010	0.000010	
Methoxychlor	mg/L	<0.000010	0.000010	
Toxaphene	mg/L	< 0.00050	0.00050	
Tetrachloro-m-xylene (S)	%	58	38-94	
Decachlorobiphenyl (S)	%	58	40-93	

LABORATORY CONTROL SAMPLE: T014749-B\$1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Endrin	ma/l	0.0000500	0.0000333	67	31-145	

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LABORATORY CONTROL SAMPLE: T014749-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
gamma-BHC (Lindane)	mg/L	0.0000500	0.0000303	61	38-125	
Heptachlor	mg/L	0.0000500	0.0000328	66	34-124	
Heptachlor epoxidemg	/L	0.0000500	0.0000355	71	35-125	
Methoxychlor	mg/L	0.0000500	0.0000313	63	54-109	
Tetrachloro-m-xylene (S)	%	0.000100	0.0000549	55	38-94	
Decachlorobiphenyl (S)	%	0.000100	0.0000551	55	40-93	

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014728

QC Batch Method: EPA 3540C Soxhlet Extraction

Analysis Description: PCBs Analysis Method: EPA 8082

METHOD BLANK: T014728-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Aroclor-1016	mg/kg wet	<0.33	0.33	
Aroclor-1221	mg/kg wet	< 0.33	0.33	
Aroclor-1232	mg/kg wet	< 0.33	0.33	
Aroclor-1242	mg/kg wet	<0.33	0.33	
Aroclor-1248	mg/kg wet	< 0.33	0.33	
Aroclor-1254	mg/kg wet	<0.33	0.33	
Aroclor-1260	mg/kg wet	<0.33	0.33	
Tetrachloro-m-xylene (S)	%	71	40-113	
Decachlorobiphenyl (S)	%	69	32-111	

LABORATORY CONTROL SAMPLE: T014728-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Aroclor-1016	mg/kg wet	0.665	0.387	58	51-110	
Aroclor-1260	mg/kg wet	0.665	0.416	63	49-110	
Tetrachloro-m-xylene (S)	%	0.0332	0.0247	74	40-113	
Decachlorobiphenyl (S)	%	0.0332	0.0243	73	32-111	

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014742 QC Batch Method: EPA 8151 Analysis Description: TCLP Herbicides Analysis Method: EPA 8151A

METHOD BLANK: T014742-BLK1

				
Parameter	Units	Blank Result	Reporting Limit	Notes

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METHOD BLANK: T014742-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
2,4-D	mg/L	<0.0020	0.0020	
2,4,5-TP (Silvex)	mg/L	<0.0010	0.0010	
2,4-Dichlorophenylacetic acid (S)	%	88	39-125	

LABORATORY CONTROL SAMPLE: T014742-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2,4-D	mg/L	0.00400	0.00347	87	40-129	
2,4,5-TP (Silvex)	mg/L	0.00400	0.00364	91	56-121	
2,4-Dichlorophenylacetic acid (S)	%	0.00800	0.00764	96	39-125	

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014709
QC Batch Method: EPA 3550B Ultrasonic Extraction

Analysis Description: Semi-volatiles, TCL list

Analysis Method: EPA 8270C

METHOD BLANK: T014709-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Bis(2-chloroethyl)ether	mg/kg wet	<0.033	0.033	
2-Chlorophenol	mg/kg wet	<0.083	0.083	
Phenol	mg/kg wet	<0.083	0.083	
1,3-Dichlorobenzene	mg/kg wet	<0.083	0.083	
1,4-Dichlorobenzene	mg/kg wet	<0.083	0.083	
1,2-Dichlorobenzene	mg/kg wet	< 0.083	0.083	
Benzyl alcohol	mg/kg wet	<0.66	0.66	
Bis(2-chloroisopropyl)ether	mg/kg wet	< 0.083	0.083	
2-Methylphenol (o-Cresol)	mg/kg wet	<0.083	0.083	
3,4-Methylphenol (m,p Cresol)	mg/kg wet	< 0.083	0.083	
N-Nitrosodi-n-propylamine	mg/kg wet	< 0.083	0.083	
Hexachloroethane	mg/kg wet	< 0.083	0.083	
Nitrobenzene	mg/kg wet	< 0.033	0.033	
sophorone	mg/kg wet	<0.083	0.083	
2-Nitrophenol	mg/kg wet	<0.083	0.083	
2,4-Dimethylphenol	mg/kg wet	<0.083	0.083	
3is(2-chloroethoxy)methane	mg/kg wet	<0.083	0.083	
Benzoic acid	mg/kg wet	<1.2	1.2	
1,2,4-Trichlorobenzene	mg/kg wet	<0.083	0.083	
2,4-Dichlorophenol	mg/kg wet	<0.083	0.083	
Naphthalene	mg/kg wet	<0.083	0.083	
I-Chloroaniline	mg/kg wet	<0.083	0.083	
Hexachlorobutadiene	mg/kg wet	< 0.033	0.033	
4-Chloro-3-methylphenol	mg/kg wet	<0.083	0.083	

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METHOD BLANK: T014709-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
2-Methylnaphthalene	mg/kg wet	<0.083	0.083	
Hexachlorocyclopentadiene	mg/kg wet	<0.17	0.17	
2,4,6-Trichlorophenol	mg/kg wet	<0.033	0.033	
2,4,5-Trichlorophenol	mg/kg wet	<0.083	0.083	
2-Chloronaphthalene	mg/kg wet	<0.083	0.083	
2-Nitroaniline	mg/kg wet	<0.083	0.083	
Dimethyl phthalate	mg/kg wet	<0.083	0.083	
Acenaphthylene	mg/kg wet	<0.083	0.083	
2,6-Dinitrotoluene	mg/kg wet	<0.083	0.083	
3-Nitroaniline	mg/kg wet	<0.083	0.083	
Acenaphthene	mg/kg wet	<0.083	0.083	
Dibenzofuran	mg/kg wet	<0.083	0.083	
2,4-Dinitrotoluene	mg/kg wet	<0.083	0.083	
1-Nitrophenol	mg/kg wet	<0.67	0.67	
2,4-Dinitrophenol	mg/kg wet	<0.67	0.67	
Diethyl phthalate	mg/kg wet	<0.083	0.083	
Fluorene	mg/kg wet	<0.083	0.083	
4-Chlorophenyl phenyl ether	mg/kg wet	<0.083	0.083	
I-Nitroaniline	mg/kg wet	<0.083	0.083	
,6-Dinitro-2-methylphenol	mg/kg wet	<0.17	0.17	
I-Nitrosodiphenylamine	mg/kg wet	<0.083	0.083	
-Bromophenyl phenyl ether	mg/kg wet	<0.083	0.083	
lexachlorobenzene	mg/kg wet	<0.083	0.083	
Pentachlorophenol	mg/kg wet	<0.36	0.36	
Phenanthrene	mg/kg wet	< 0.033	0.033	
Anthracene	mg/kg wet	<0.083	0.083	
Carbazole	mg/kg wet	<0.083	0.083	
Pi-n-butyl phthalate	mg/kg wet	<0.083	0.083	
luoranthene	mg/kg wet	< 0.033	0.033	
Pyrene	mg/kg wet	<0.083	0.083	
Butyl benzyl phthalate	mg/kg wet	<0.083	0.083	
Benzo (a) anthracene	mg/kg wet	<0.033	0.033	
Chrysene	mg/kg wet	<0.033	0.033	
,3'-Dichlorobenzidine	mg/kg wet	<0.66	0.66	
is(2-ethylhexyl)phthalate	mg/kg wet	<0.083	0.083	
i-n-octyl phthalate	mg/kg wet	<0.083	0.083	
enzo (b) fluoranthene	mg/kg wet	<0.033	0.033	
enzo (k) fluoranthene	mg/kg wet	<0.033	0.033	
enzo (a) pyrene	mg/kg wet	<0.033	0.033	
ideno (1,2,3-cd) pyrene	mg/kg wet	<0.033	0.033	
ibenz (a,h) anthracene	mg/kg wet	<0.033	0.033	
enzo (g,h,i) perylene	mg/kg wet	<0.033	0.033	
-Fluorophenol (S)	%	59	38-81	
henol-d5 (S)	%	51	32-102	
litrobenzene-d5 (S)	%	60	36-98	

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METHOD BLANK: T014709-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
2-Fluorobiphenyl (S)	%	53	44-105	
2,4,6-Tribromophenol (S)	%	61	38-101	
Terphenyl-d14 (S)	%	65	46-109	

LABORATORY CONTROL SAMPLE: T014709-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2-Chlorophenol	mg/kg wet	3.39	2.16	64	49-93	
Phenol	mg/kg wet	3.32	1.91	57	40-90	
1,4-Dichlorobenzene	mg/kg wet	1.75	1.08	62	37-106	
N-Nitrosodi-n-propylamine	mg/kg wet	1.49	1.04	70	51-106	
1,2,4-Trichlorobenzene	mg/kg wet	1.81	1.12	62	49-100	
4-Chloro-3-methylphenol	mg/kg wet	3.46	2.46	71	50-96	
Acenaphthene	mg/kg wet	1.75	1.10	63	52-105	
2,4-Dinitrotoluene	mg/kg wet	1.70	1.03	61	51-108	
4-Nitrophenol	mg/kg wet	3.32	1.82	55	22-112	
Pentachlorophenol	mg/kg wet	3.42	2.18	64	30-111	
Pyrene	mg/kg wet	1.75	1.22	70	47-114	
2-Fluorophenol (S)	%	3.32	2.37	71	38-81	
Phenol-d5 (S)	%	3.32	2.19	66	32-102	
Nitrobenzene-d5 (S)	%	3.32	2.42	73	36-98	
2-Fluorobiphenyl (S)	%	3.32	2.19	66	44-105	
2,4,6-Tribromophenol (S)	%	3.32	2.58	77	38-101	
Terphenyl-d14 (S)	%	3.32	2.55	77	46-109	

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014741

QC Batch Method: EPA 3510C Separatory Funnel

Liquid-Liquid Extr.

Analysis Description: TCLP Semi-Volatiles

Analysis Method: EPA 8270C

METHOD BLANK: T014741-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Pyridine	mg/L	<0.020	0.020	-
2-Methylphenol (o-Cresol)	mg/L	<0.0025	0.0025	
3,4-Methylphenol (m,p Cresol)	mg/L	<0.0025	0.0025	
Hexachloroethane	mg/L	<0.0025	0.0025	
Nitrobenzene	mg/L	<0.0010	0.0010	
Hexachlorobutadiene	mg/L	<0.0025	0.0025	
2,4,6-Trichlorophenol	mg/L	<0.0010	0.0010	
2,4,5-Trichlorophenol	mg/L	<0.0025	0.0025	
2,4-Dinitrotoluene	mg/L	<0.0025	0.0025	

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METHOD BLANK: T014741-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Hexachlorobenzene	mg/L	<0.0025	0.0025	
Pentachlorophenol	mg/L	<0.0050	0.0050	
2-Fluorophenol (S)	%	36	20-53	
Phenol-d5 (S)	%	22	11-40	
Nitrobenzene-d5 (S)	%	55	36-103	
2-Fluorobiphenyl (S)	%	56	36-119	
2,4,6-Tribromophenol (S)	%	62	30-105	
Terphenyl-d14 (S)	%	65	37-109	

LABORATORY CONTROL SAMPLE: T014741-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2,4-Dinitrotoluene	mg/L	0.0510	0.0325	64	39-105	
Pentachlorophenol	mg/L	0.103	0.0674	65	38-102	
2-Fluorophenol (S)	%	0.100	0.0408	41	20-53	
Phenol-d5 (S)	%	0.100	0.0259	26	11-40	
Nitrobenzene-d5 (S)	%	0.100	0.0657	66	36-103	
2-Fluorobiphenyl (S)	%	0.100	0.0639	64	36-119	
2,4,6-Tribromophenol (S)	%	0.100	0.0738	74	30-105	
Terphenyl-d14 (S)	%	0.100	0.0728	73	37-109	

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014783

QC Batch Method: SW846 5035 Purge-and-Trap for Solids

and Wastes

Analysis Description: Gasoline Range Organics

Analysis Method: EPA 8015

METHOD BLANK: T014783-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Gasoline Range Organics (TPH)	mg/kg wet	<4.0	4.0	
Fluorobenzene (S)	%	104	80-130	

LABORATORY CONTROL SAMPLE: T014783-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Gasoline Range Organics (TPH)	mg/kg wet	20.0	21.1	106	80-120	
Fluorobenzene (S)	%	100	104	104	80-130	

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

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QC Batch: T014757

QC Batch Method: EPA 5035 Purge-and-Trap for Solids and

Wastes

Analysis Description: Volatiles, Target Compound List

Analysis Method: EPA 8260B

METHOD BLANK: T014757-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Chloromethane	ug/kg wet	<250	250	
Vinyl chloride	ug/kg wet	<40	40	
Bromomethane	ug/kg wet	<200	200	
Chloroethane	ug/kg wet	<250	250	
1,1-Dichloroethene	ug/kg wet	<50	50	
Acetone	ug/kg wet	<1000	1000	
Carbon disulfide	ug/kg wet	<250	250	
Methylene chloride	ug/kg wet	<250	250	
,1-Dichloroethane	ug/kg wet	<50	50	
?-Butanone	ug/kg wet	<750	750	
,2-Dichloroethene (total)	ug/kg wet	<100	100	
Chloroform	ug/kg wet	<50	50	
,1,1-Trichloroethane	ug/kg wet	<50	50	
Carbon tetrachloride	ug/kg wet	<50	50	
Benzene	ug/kg wet	<50	50	
,2-Dichloroethane	ug/kg wet	<50	50	
richloroethene	ug/kg wet	<50	50	
,2-Dichloropropane	ug/kg wet	<50	50	
Bromodichloromethane	ug/kg wet	<100	100	
is-1,3-Dichloropropene	ug/kg wet	<50	50	
-Methyl-2-pentanone	ug/kg wet	<2500	2500	
oluene	ug/kg wet	<100	100	
ans-1,3-Dichloropropene	ug/kg wet	<50	50	
,1,2-Trichloroethane	ug/kg wet	<50	50	
etrachloroethene	ug/kg wet	<50	50	
-Hexanone	ug/kg wet	<2500	2500	
bibromochloromethane	ug/kg wet	<100	100	
hlorobenzene	ug/kg wet	<50	50	
thylbenzene	ug/kg wet	<50	50	
n,p-Xylene	ug/kg wet	<100	100	
-Xylene	ug/kg wet	<50	50	
ylenes, total	ug/kg wet	<150	150	
tyrene	ug/kg wet	<50	50	
romoform	ug/kg wet	<100	100	,
1,2,2-Tetrachloroethane	ug/kg wet	<50	50	
,2-Dichloroethane-d4 (S)	%	95	70-133	
oluene-d8 (S)	%	104	76-125	
Bromofluorobenzene (S)	%	104	71-123	
,2-Dichlorobenzene-d4 (S)	%	93	72-123	



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LABORATORY CONTROL SAMPLE: T014757-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,1-Dichloroethene	ug/kg wet	1000	884	88	64-156	
Benzene	ug/kg wet	1000	954	95	80-120	
Trichloroethene	ug/kg wet	1000	1010	101	69-133	
Toluene	ug/kg wet	1000	960	96	80-120	
Chlorobenzene	ug/kg wet	1000	944	94	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	42.4	94	70-133	
Toluene-d8 (S)	%	45.0	46.8	104	76-125	
4-Bromofluorobenzene (S)	%	45.0	47.2	105	71-123	
1,2-Dichlorobenzene-d4 (S)	%	45.0	44.4	99	72-123	

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014758

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous

Samples

Analysis Description: TCLP Volatiles Analysis Method: EPA 8260B

METHOD BLANK: T014758-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Vinyl chloride	mg/L	<0.0010	0.0010	
1,1-Dichloroethene	mg/L	<0.0010	0.0010	
2-Butanone	mg/L	<0.0050	0.0050	
Chloroform	mg/L	<0.0010	0.0010	
Carbon tetrachloride	mg/L	<0.0010	0.0010	
Benzene	mg/L	<0.0010	0.0010	
I,2-Dichloroethane	mg/L	<0.0010	0.0010	
richloroethene	mg/L	<0.0010	0.0010	
Tetrachloroethene	mg/L	<0.0010	0.0010	
Chlorobenzene	mg/L	<0.0010	0.0010	
1,4-Dichlorobenzene	mg/L	<0.0010	0.0010	
I,2-Dichloroethane-d4 (S)	%	95	70-133	
Toluene-d8 (S)	%	104	76-125	
I-Bromofluorobenzene (S)	%	104	72-123	
1,2-Dichlorobenzene-d4 (S)	%	93	71-123	

LABORATORY CONTROL SAMPLE: T014758-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Vinyl chloride	mg/L	0.0200	0.0174	87	47-184	
1,1-Dichloroethene	mg/L	0.0200	0.0177	88	64-156	
2-Butanone	mg/L	0.0200	0.0169	85	70-130	
Chloroform	mg/L	0.0200	0.0190	95	80-120	
Carbon tetrachloride	mg/L	0.0200	0.0179	90	79-141	

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LABORATORY CONTROL SAMPLE: T014758-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	mg/L	0.0200	0.0191	95	80-120	
1,2-Dichloroethane	mg/L	0.0200	0.0187	93	80-120	
Trichloroethene	mg/L	0.0200	0.0202	101	69-133	
Tetrachloroethene	mg/L	0.0200	0.0190	95	70-120	
Chlorobenzene	mg/L	0.0200	0.0189	94	80-120	
1,4-Dichlorobenzene	mg/L	0.0200	0.0184	92	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	42.4	94	70-133	
Toluene-d8 (S)	%	45.0	46.8	104	76-125	
4-Bromofluorobenzene (S)	%	45.0	47.2	105	72-123	
1,2-Dichlorobenzene-d4 (S)	%	45.0	44.4	99	71-123	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014758-MSD1

Original: T10B029-03

WAIRIA SPINE / WAIRIA	SPIRE DUPLICATE: 1014/30-WSD1			Original: F TOBO20-00							
Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Vinyl chloride	mg/L	0	1.00	0.834	0.872	83	87	60-153	4	13	
1,1-Dichloroethene	mg/L	0	1.00	0.896	0.892	90	89	60-146	0.4	15	
2-Butanone	mg/L	0	1.00	0.800	0.833	80	83	60-140	4	23	
Chloroform	mg/L	0	1.00	0.937	0.943	94	94	68-124	0.6	13	
Carbon tetrachloride	mg/L	0	1.00	0.886	0.884	89	88	68-125	0.3	12	
Benzene	mg/L	0	1.00	0.948	0.946	95	95	78-114	0.2	11	
1,2-Dichloroethane	mg/L	0	1.00	0.928	0.944	93	94	63-132	2	11	
Frichloroethene	mg/L	0	1.00	1.02	1.01	102	101	70-117	0.4	14	
Tetrachloroethene	mg/L	0	1.00	0.941	0.950	94	95	57-126	0.9	12	
Chlorobenzene	mg/L	0	1.00	0.942	0.960	94	96	75-116	2	12	
1,4-Dichlorobenzene	mg/L	0	1.00	0.880	0.968	88	97	69-118	10	18	
1,2-Dichloroethane-d4 (S)	%		45.0	42.5	42.7	95	95	70-133			
Toluene-d8 (S)	%		45.0	46.4	47.0	103	104	76-125			
1-Bromofluorobenzene (S)	%		45.0	47.8	48.4	106	108	72-123			
I,2-Dichlorobenzene-d4 (S)	%		45.0	44.6	44.9	99	100	71-123			

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014759

Analysis Description: Volatiles, Full MDEQ+ List

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous

Samples

Analysis Method: EPA 8260B

METHOD BLANK: T014759-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Dichlorodifluoromethane	ug/L	<1.0	1.0	
Chloromethane	ug/L	<1.0	1.0	

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METHOD BLANK: T014759-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Vinyl chloride	ug/L	<1.0	1.0	
Bromomethane	ug/L	<1.0	1.0	
Chloroethane	ug/L	<1.0	1.0	
Trichlorofluoromethane	ug/L	<1.0	1.0	
Diethyl ether	ug/L	<10	10	
Tert-butyl alcohol	ug/L	<50	50	
1,1-Dichloroethene	ug/L	<1.0	1.0	
Acetone	ug/L	<10	10	
odomethane	ug/L	<1.0	1.0	
Carbon disulfide	ug/L	<5.0	5.0	
Methyl-tert-butyl ether	ug/L	<5.0	5.0	
Methylene chloride	ug/L	<5.0	5.0	
Acrylonitrile	ug/L	<2.0	2.0	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	
1,1-Dichloroethane	ug/L	<1.0	1.0	
Diisopropyl Ether	ug/L	<5.0	5.0	
2-Butanone	ug/L	<5.0	5.0	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	
-Butyl Ethyl Ether	ug/L	<5.0	5.0	
Bromochloromethane	ug/L	<1.0	1.0	
Tetrahydrofuran	ug/L	<20	20	
Chloroform	ug/L	<1.0	1.0	
i,1,1-Trichloroethane	ug/L	<1.0	1.0	
Carbon tetrachloride	ug/L	<1.0	1.0	
Benzene	ug/L	<1.0	1.0	
-Amyl Methyl Ether	ug/L	<5.0	5.0	
,2-Dichloroethane	ug/L	<1.0	1.0	
Cyclohexane	ug/L	<5.0	5.0	
Frichloroethene Trichloroethene	ug/L	<1.0	1.0	
,2-Dichloropropane	ug/L	<1.0	1.0	
Dibromomethane	ug/L	<1.0	1.0	
Bromodichloromethane	ug/L	<1.0	1.0	
sis-1,3-Dichloropropene	ug/L	<1.0	1.0	
-Methyl-2-pentanone	ug/L	<5.0	5.0	
oluene	ug/L	<1.0	1.0	
ans-1,3-Dichloropropene	ug/L	<1.0	1.0	
,1,2-Trichloroethane	ug/L	<1.0	1.0	
etrachloroethene	ug/L	<1.0	1.0	
-Hexanone	ug/L	<5.0	5.0	
Dibromochloromethane	ug/L	<1.0	1.0	
,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	
Chlorobenzene	ug/L	<1.0	1.0	
,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	
thylbenzene	ug/L	<1.0	1.0	
n,p-Xylene	ug/L	<2.0	2.0	



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METHOD BLANK: T014759-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
o-Xylene	ug/L	<1.0	1.0	
Xylenes, total	ug/L	<3.0	3.0	
Styrene	ug/L	<1.0	1.0	
Bromoform	ug/L	<1.0	1.0	
Isopropylbenzene	ug/L	<1.0	1.0	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	
Bromobenzene	ug/L	<1.0	1.0	
n-Propylbenzene	ug/L	<1.0	1.0	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	
-Butyl Benzene	ug/L	<1.0	1.0	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	
sec-Butylbenzene	ug/L	<1.0	1.0	
o-Isopropyltoluene	ug/L	<1.0	1.0	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	
n-Butylbenzene	ug/L	<1.0	1.0	
1,2,3-Trimethylbenzene	ug/L	<1.0	1.0	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	
,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	
Hexachloroethane	ug/L	<1.0	1.0	
,2,4-Trichlorobenzene	ug/L	<1.0	1.0	
Naphthalene	ug/L	<5.0	5.0	
,2,3-Trichlorobenzene	ug/L	<1.0	1.0	
2-Methylnaphthalene	ug/L	<5.0	5.0	
,2-Dichloroethane-d4 (S)	%	95	70-133	
oluene-d8 (S)	%	104	76-125	
-Bromofluorobenzene (S)	%	104	71-123	
,2-Dichlorobenzene-d4 (S)	%	93	72-123	

LABORATORY CONTROL SAMPLE: T014759-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,1-Dichloroethene	ug/L	20.0	17.7	88	64-156	
Benzene	ug/L	20.0	19.1	95	80-120	
Trichloroethene	ug/L	20.0	20.2	101	69-133	
Toluene	ug/L	20.0	19.2	96	80-120	
Chlorobenzene	ug/L	20.0	18.9	94	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	42.4	94	70-133	
Toluene-d8 (S)	%	45.0	46.8	104	76-125	
4-Bromofluorobenzene (S)	%	45.0	47.2	105	71-123	
1,2-Dichlorobenzene-d4 (S)	%	45.0	44.4	99	72-123	

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Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014685

Analysis Description: Solids, Dry Weight

QC Batch Method: % Solids

Analysis Method: % Calculation

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014781

QC Batch Method: EPA 1010

Analysis Description: Flash Point (Ignitability)

Analysis Method: EPA 1010

LABORATORY CONTROL SAMPLE: T014781-BS1

Parameter

Units

Spike Conc.

LCS Result

LCS % Rec

% Rec Limit

Notes

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014856

QC Batch Method: EPA 9012B

Analysis Description: Cyanide, Total

Analysis Method: EPA 9012B

METHOD BLANK: T014856-BLK1

Parameter

Blank Units Result

Reporting

Limit

Cyanide (total)

mg/kg wet

Units

< 0.12

0.12

LABORATORY CONTROL SAMPLE: T014856-BS1

Parameter

Spike Conc. 4.00

LCS Result

LCS % Rec 89

% Rec Limit

Notes

Notes

Cyanide (total)

mg/kg wet

3.58

81-111

Trace Project ID: T10B029

QC Batch: T014724

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Analysis Description: Halides, Total

QC Batch Method: EPA 9023

Analysis Method: EPA 9023

METHOD BLANK: T014724-BLK1

Parameter

Units

Blank Result

Reporting Limit

Notes

Extractable Organic Halides

mg/kg wet

<50

50

LABORATORY CONTROL SAMPLE: T014724-BS1

Parameter

Spike Conc. Units

LCS Result

LCS % Rec

% Rec Limit

Notes

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LABORATORY CONTROL SAMPLE: T014724-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Extractable Organic Halides	mg/kg wet	500	399	80	70-124	

Original: T10B029-01 MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014724-MSD1

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Extractable Organic Halides	ma/ka drv	208	554	557	620	62	74	59-130	18	34	

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014696 Analysis Description: Corrosivity (pH for waste), 9040/9045

QC Batch Method: EPA 9045C Analysis Method: EPA 9045C

Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014723 Analysis Description: Reactivity - Sulfide

QC Batch Method: EPA Chapter 7.3 Analysis Method: EPA Chapter 7.3

METHOD BLANK: T014723-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Sulfide, Reactive	mg/kg wet	<5.0	5.0	

LABORATORY CONTROL SAMPLE: T014723-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Sulfide, Reactive	mg/kg wet	5.00	<5.0	82	74-126	

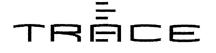
Trace Project ID: T10B029

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014707 Analysis Description: Reactivity - Cyanide QC Batch Method: EPA Chapter 7.3 Reactivity Analysis Method: EPA Chapter 7.3 Reactivity

METHOD BLANK: T014707-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Cyanide, Reactive	mg/L	<0.50	0.50	



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LABORATORY CONTROL SAMPLE: T014707-BS1

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Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Cyanide, Reactive	mg/L	0.200	<0.50	96	79-121	

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	fax	231.773.6537	Muskegon, MI 49444-2

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Mailing Address: 2075 E. BEITINE ALE. SE SURE 467 City, State, Zip Code: Gram Rapids MI U9546 Requirements Turnaround Requirements Matrix Key S = Soil WI = Wipes Standard (2 wk)													4	33 -					_						es No	N/A	\Box
Mailing Address: 2075 E. BERTING ALE. SE SURE 40 E	ë									14.50			4	Ĕ	Soil V	olatiles	Prese	rved:(MeO	H) En	Core	Low	Level	Lab			
Project #: 657 - 40 PO #: Trace Quote #: Special Project Name: LEC MW (RK) TEMBERATION Sampled by: Sp Billing Address (if different) City, State, Zip Code MODICAN W! Phone: S16 175 1098 MEHA INDLS Standard (2 wk) S = Soil W = wiper LW = Liquid Waste NPDES 2-24 Day (RUSH) SE = Sediment A = Air USACE Special Project #: 657 - 40 OI = 0il D = Drinking Water SL = Sludge Project Name: LEC MW (RK) TEMBERATION Sampled by: Sp Billing Address (if different) City, State, Zip Code MODICAN W! Attn:	ults									100																	
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In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.



phone

231.773.5998 toll-free 800.733.5998 231.773.6537 Trace Analytical Laboratories, Inc. 2241 Black Creek Road Muskegon, MI 49444-2673 info@trace-labs.com www.trace-labs.com

SAMPLE LOG IN CHECKLIST

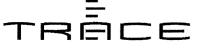
Date: 2-3-10	Client Name: R	hTING	# of Coolers: /	
Trace ID #: 7/08029	Project Name:	A	Cooler #s:	
	Logged in by:	mush)	Cooler #s:	
	Cécler	Receipt		
	Trace courier			
Cooler/samples delivered by:	Hand delivered [Name of delivery person	on:	
	Commercial courier	UPS D	HL FED EX Sus Mail	
Did cooler come with a bill of lading?	No [Not	Applicable	
	Yes [Way Bill or Tracking	#:	
COC Seals present and intact on cooler?	No K	Not Applicable		
	Yes			
Custody seals signed by Client?	No 🔀	Client custody seal # (if applicabl	ө):	
	Yes			
,	Coolant and	Temperature		
Type of Coolant Use	ed	Cooler Temperature		C
	Yes No	Date: 2 - 3 - 10	Time: 10:42	
Slurry w/ crushed, cubed, or chip ice?		Temperature Blar		
Multiple bags of ice around samples?		Range of 3 sample		i
ice Packs/ Blue ice :		Melt Wate		
No Coolant Present:		Ice still present upon receip	pt: Yes No	
	Ger	neral		
			Yes No	NA
		poler lid?		
All bottles arrived unbroke	_	The second secon		
Each sample		atic bag?		
Att to sale to be a long to be	Labels filled out con	npletely?	취미	닉
All bottle labels agree	sample to run tosts so	(COC)?	AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUM	=
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•	•	amples?		7
DRO/GRO samples received and approp				_
· · · · · · · · · · · · · · · · · · ·	Air bubbles absent fron	A commence of the commence of the part of		\leq
COC filled ou	t properly and signed b			
COC signed in	n by TRACE sample cu			
Was project manager	called and samples dis	cussed?		
Contact:		Date	e:	
Nada				
Notes:				
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TRACE Analytical Laboratories, Inc.

Rev.8 11/21/06

CERTIFICATE OF ANALYSIS

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February 15, 2010

Ms. Jennifer Overvoorde RMT, Inc. 2025 E. Beltline Ave. SE Suite 402 Grand Rapids, MI 49546

Phone: (616) 975-5415 Fax: (616) 975-1098

RE:

Trace Project

T10B067

Client Project

LEC MW19HS1 Remediation / 6527.40

Dear Ms. Overvoorde:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink Project Manager

Enclosures





phone fax

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SAMPLE SUMMARY

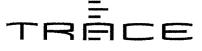
Trace Project ID:

T10B067

Client Project ID:

LEC MW19HS1 Remediation / 6527.40

Trace ID	Sample ID	Matrix	Collected B	y Date Collected	Date Received
T10B067-01	W19HS1-10-13	Soil	sp	02/03/10 14:00	02/05/10 10:37
T10B067-02	W19HS1-10-14	Soil	sp	02/04/10 09:15	02/05/10 10:37



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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate
RPD Relative Percent Difference

DUP Matrix Duplicate

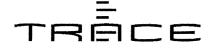
RDL Reporting Detection Limit
MCL Maximum Contamination Limit
TIC Tentatively Identified Compound

<, ND or U Indicates the compound was analyzed for but not detected

* Indicates a result that exceeds its associated MCL or Surrogate control limits

N Indicates that the compound has not been evaluated by NELAC

NA Indicates that the compound is not available.



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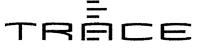
ANALYTICAL RESULTS

Trace Project ID: T10B067

Client Project ID: LEC MW19HS1 Remediation / 6527.40

the science of compliance

Trace ID: T10B067-01 Sample ID: W19HS1-10-13			Collected: Received:	02/03/10 14 02/05/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	ВҮ	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUND	S BY GC-MS								
Analysis Method: EPA 8015									
Batch: T014783									
Gasoline Range Organics (TPH)	5.3 mg/kg dry	4.0	50	02/05/10	jp	02/06/10	jp		
Surrogates: Fluorobenzene	111 %	80-130	50	02/05/10	jp	02/06/10	jp	N	
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014756									
% Solids	88 % by Wt.	0.10	1	02/05/10	jd	02/07/10	da	N	
Analysis Method: EPA 9023									
Batch: T014852									
Extractable Organic Halides	160 mg/kg dry	54	1	02/12/10	bd	02/12/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B067

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B067-02 Sample ID: W19HS1-10-14			Collected: Received:	02/04/10 09 02/05/10 10		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNI	DS BY GC-MS	-							
Analysis Method: EPA 8015									
Batch: T014783									
Gasoline Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/05/10	jp	02/06/10	jp		
Surrogates: Fluorobenzene	107 %	80-130	50	02/05/10	jp	02/06/10	jp	N	
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014756									
% Solids	86 % by Wt.	0.10	1	02/05/10	da	02/07/10	da	N	
Analysis Method: EPA 9023									
Batch: T014852									
Extractable Organic Halides	71 mg/kg dry	50	1	02/12/10	bd	02/12/10	rbp	N	



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QUALITY CONTROL RESULTS

Trace Project ID: T10B067

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014783

QC Batch Method: SW846 5035 Purge-and-Trap for Solids

and Wastes

Analysis Description: Gasoline Range Organics

Analysis Method: EPA 8015

METHOD BLANK: T014783-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Gasoline Range Organics (TPH)	mg/kg wet	<4.0	4.0	
Fluorobenzene (S)	%	104	80-130	

LABORATORY CONTROL SAMPLE: T014783-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Gasoline Range Organics (TPH)	mg/kg wet	20.0	21.1	106	80-120	
Fluorobenzene (S)	%	100	104	104	80-130	

Trace Project ID: T10B067

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014756 QC Batch Method: % Solids Analysis Description: Solids, Dry Weight Analysis Method: % Calculation

Trace Project ID: T10B067

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014852

QC Batch Method: EPA 9023

Analysis Description: Halides, Total

Analysis Method: EPA 9023

METHOD BLANK: T014852-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Extractable Organic Halides	mg/kg wet	<50	50	

LABORATORY CONTROL SAMPLE: T014852-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Extractable Organic Halides	mg/kg wet	500	390	78	70-124	<u> </u>

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014852-MSD1

Origina	l: T10	B067	-01
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		Original	Spike	MS MS	D MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Result Res	ult % Rec	% Rec	Limit	RPD	RPD	Notes

CERTIFICATE OF ANALYSIS



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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014852-MSD1

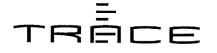
Original: T10B067-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Extractable Organic Halides	mg/kg dry	156	551	595	567	79	75	59-130	6	34	

Trace Analytical Laboratories, Inc. 2241 Black Creek Road Muskegon, MI 49444-2673	Intograce laborem
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SAMPLE LOG IN CHECKLIST

Date: 2 -52 - 12	Citat Name: D	n-7	# of O = -land								
	<u>~()</u>	- A k	Cooler #s:								
1108061		m (A)	Cooler#s:								
<u> </u>	Chole	r Receipt									
	Trace courier										
Cooler/samples delivered by: Hand delivered Name of delivery person:											
	Commercial courier	UPS DI	HL FED EX Sus Mail								
Did cooler come with a bill of lading?	No	✓ Not	Applicable								
ł	Yes	Way Bill or Tracking	#:								
COC Seals present and intact on cooler?	No 😽	Not Applicable									
	Yes										
Custody seals signed by Client?	No	Client custody seal # (if applicable	e):								
	Yes										
Type of Coolant Use			Correction Factor + 4. f °C								
	Yes No	Date: 2-5-10	Time: /0,3 &								
Slurry w/ crushed, cubed, or chip ice?		Temperature Blan									
Multiple bags of ice around samples?		Range of 3 sample	s: <u>C</u> °C								
lce Packs/ Blue Ice :		Melt Wate	er:°C								
No Coolant Present:		, Ice still present upon receip	ot: Yes No								
	Ge	neral									
			Yes No NA								
C	OC taped to inside of o	ooler lid?									
All bottles arrived unbroke	en with labels in good o	ondition?									
Each sample	point is in a sealed pla	stic bag?									
		AND AND AND THE ANALYSIS AND	<u> </u>								
All bottle labels agree	e with Chain of Custod	y (COC)?	<u> </u>								
Sufficient	sample to run tests re	quested?									
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CERTIFICATE OF ANALYSIS

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TRACE Applicated abordance inc



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February 19, 2010

Ms. Jennifer Overvoorde RMT, Inc. 2025 E. Beltline Ave. SE Suite 402 Grand Rapids, MI 49546

Phone: (616) 975-5415 Fax: (616) 975-1098

RE: Trace Project T10B107

Client Project LEC MW19HS1 Remediation / 6527.40

Dear Ms. Overvoorde:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink Project Manager

Enclosures





phonefax

phone 231.773.5998 toll-free 800.733.5998 231.773.6537

 ${\it Trace\ Analytical\ Laboratories,\ Inc.}$ 2241 Black Creek Road . Muskegon, MI 49444-2673 info@trace-labs.com www.trace-labs.com

SAMPLE SUMMARY

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T10B107-01	W19HS1-10-15 Composite	Soil	sp	02/09/10 15:00	02/10/10 11:42
T10B107-02	W19HS1-10-15 Grab	Soil	sp	02/09/10 15:00	02/10/10 11:42
T10B107-03	W19HS1-10-16	Soil	sp	02/09/10 15:15	02/10/10 11:42
T10B107-04	W19HS1-10-17	Soil	sp	02/09/10 15:30	02/10/10 11:42
T10B107-05	Trip Blank	Water	sp	02/02/10	02/10/10 11:42



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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MS	Matrix Spike

MSD Matrix Spike Duplicate
RPD Relative Percent Difference

DUP Matrix Duplicate

RDL Reporting Detection Limit
MCL Maximum Contamination Limit
TIC Tentatively Identified Compound

<, ND or U Indicates the compound was analyzed for but not detected

* Indicates a result that exceeds its associated MCL or Surrogate control limits

N Indicates that the compound has not been evaluated by NELAC

NA Indicates that the compound is not available.

DATA QUALIFIERS

Trace ID: T014871-MS1	
Analysis: EPA 6010B	
Barium	Note 202: The MS recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Copper	Note 208: The MS recovery was out of control. Because the MSD recovery and the RPD between the MS and the MSD were in control, no data require qualification.
Lead	Note 202: The MS recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Zinc	Note 202: The MS recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Analysis: EPA 6020	
Arsenic	Note 202: The MS recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Selenium	Note 208: The MS recovery was out of control. Because the MSD recovery and the RPD between the MS and the MSD were in control, no data require qualification.
Trace ID: T014871-MSD1 Analysis: EPA 6010B	
Barium	Note 202: The MS recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Copper	Note 208: The MS recovery was out of control. Because the MSD recovery and the RPD between the MS and the MSD were in control, no data require qualification.

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Lead	Note 202: The MS recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Zinc	Note 202: The MS recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Analysis: EPA 6020	
Arsenic	Note 202: The MS recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Selenium	Note 208: The MS recovery was out of control. Because the MSD recovery and the RPD between the MS and the MSD were in control, no data require qualification.
race ID: T014910-MSD1 Analysis: EPA 8260B	
Chlorobenzene	Note 207: The RPD between the MS and the MSD was out of control. Because both spike recoveries were in control, no data require qualification.
Tetrachloroethene	Note 207: The RPD between the MS and the MSD was out of control. Because both spike recoveries were in control, no data require qualification.
race ID: T10B107-01	
Flashpoint	Note F-02 : > 200
Analysis: EPA 6010B	
Barium	Note 202: The MS recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Lead	Note 202: The MS recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Zinc	Note 202: The MS recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Analysis: EPA 6020	
Arsenic	Note 202: The MS recovery was out of control low, resulting in an out of control RPD between the MS and the MSD. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.
Analysis: EPA 8270C	
2,4,6-Tribromophenol	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
2-Fluorophenol	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Phenol-d5	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

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ANALYTICAL RESULTS

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B107-01 Date Collected: 02/09/10 15:00 Matrix: Soil

Sample ID: W19HS1-10-15 Composite Date Received: 02/10/10 11:42

PARAMETERS RESULTS UNITS RDL DILUTION PREPARED BY ANALYZED BY NOTES MCL

SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS

Analysis Method: EPA 8270C

Batch: T014811								
Bis(2-chloroethyl)ether	<0.39 mg/kg dry	0.39	10	02/10/10	kb	02/12/10	avl	
2-Chlorophenol	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
Phenol	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
1,3-Dichlorobenzene	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
1,4-Dichlorobenzene	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
1,2-Dichlorobenzene	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
Benzyl alcohol	<7.8 mg/kg dry	7.8	10	02/10/10	kb	02/12/10	avl	
Bis(2-chloroisopropyl)ether	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
2-Methylphenol (o-Cresol)	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
3,4-Methylphenol (m,p Cresol)	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
N-Nitrosodi-n-propylamine	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
Hexachloroethane	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
Nitrobenzene	<0.39 mg/kg dry	0.39	10	02/10/10	kb	02/12/10	avl	
Isophorone	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
2-Nitrophenol	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
2,4-Dimethylphenol	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
Bis(2-chloroethoxy)methane	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
Benzoic acid	<14 mg/kg dry	14	10	02/10/10	kb	02/12/10	avl	
1,2,4-Trichlorobenzene	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
2,4-Dichlorophenol	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
Naphthalene	1.1 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
4-Chloroaniline	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
Hexachlorobutadiene	<0.39 mg/kg dry	0.39	10	02/10/10	kb	02/12/10	avl	
4-Chloro-3-methylphenol	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
2-Methylnaphthalene	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
Hexachlorocyclopentadiene	<2.0 mg/kg dry	2.0	10	02/10/10	kb	02/12/10	avl	
2,4,6-Trichlorophenol	<0.39 mg/kg dry	0.39	10	02/10/10	kb	02/12/10	avl	
2,4,5-Trichlorophenol	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
2-Chloronaphthalene	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
2-Nitroaniline	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
Dimethyl phthalate	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
Acenaphthylene	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
2,6-Dinitrotoluene	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
3-Nitroaniline	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	
Acenaphthene	<0.98 mg/kg dry	0.98	10	02/10/10	kb	02/12/10	avl	

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ANALYTICAL RESULTS

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B107-01 Date Collected: 02/09/10 15:00 Matrix: Soil Sample ID: W19HS1-10-15 Composite Date Received: 02/10/10 11:42 **PARAMETERS RESULTS UNITS** RDL DILUTION **PREPARED** BY **ANALYZED** BY **NOTES** MCL SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS 10 02/10/10 02/12/10 Dibenzofuran <0.98 mg/kg dry 0.98 kb avl <0.98 mg/kg dry 10 02/10/10 02/12/10 2,4-Dinitrotoluene 0.98 kb avl 02/10/10 02/12/10 10 4-Nitrophenol <7.9 mg/kg dry kb avl 7.9 10 02/10/10 02/12/10 avl 2,4-Dinitrophenol <7.9 mg/kg dry 7.9 kh Diethyl phthalate 10 02/10/10 02/12/10 <0.98 mg/kg dry kb avl 0.98 Fluorene 10 02/10/10 02/12/10 <0.98 mg/kg dry 0.98 kb avl 10 02/10/10 02/12/10 <0.98 mg/kg dry kb avl 4-Chlorophenyl phenyl ether 0.98 10 02/10/10 02/12/10 4-Nitroaniline <0.98 mg/kg dry kb avl 0.98 4,6-Dinitro-2-methylphenol <2.0 mg/kg dry 10 02/10/10 kb 02/12/10 avl 2.0 <0.98 mg/kg dry 10 02/10/10 kb 02/12/10 avl N-Nitrosodiphenylamine 0.98 4-Bromophenyl phenyl ether <0.98 mg/kg dry 10 02/10/10 kb 02/12/10 avl 0.98 <0.98 mg/kg dry Hexachlorobenzene 10 02/10/10 kb 02/12/10 avl 0.98 Pentachlorophenol <4.3 mg/kg dry 10 02/10/10 kb 02/12/10 avl 4.3 02/10/10 02/12/10 Phenanthrene <0.39 mg/kg dry 0.39 10 kb avl 02/10/10 02/12/10 Anthracene <0.98 mg/kg dry 10 kb avl 0.98 <0.98 mg/kg dry 10 02/10/10 02/12/10 Carbazole 0.98 kb avl Di-n-butyl phthalate <0.98 mg/kg dry 10 02/10/10 kb 02/12/10 avl 0.98 Fluoranthene <0.39 mg/kg dry 10 02/10/10 kb 02/12/10 avl 0.39 Pyrene <0.98 mg/kg dry 10 02/10/10 kb 02/12/10 avl 0.98 Butyl benzyl phthalate <0.98 mg/kg dry 10 02/10/10 kb 02/12/10 avl 0.98 Benzo (a) anthracene < 0.39 mg/kg dry 10 02/10/10 kb 02/12/10 avl 0.39 Chrysene < 0.39 mg/kg dry 10 02/10/10 kb 02/12/10 avl 0.39 02/10/10 02/12/10 3,3'-Dichlorobenzidine <7.8 mg/kg dry 10 kb avl Ν 7.8 02/10/10 02/12/10 Bis(2-ethylhexyl)phthalate 26 mg/kg dry 0.98 10 kb avl <0.98 mg/kg dry 10 02/10/10 kb 02/12/10 avl Di-n-octyl phthalate 0.98 10 02/10/10 02/12/10 <0.39 mg/kg dry kh avl Benzo (b) fluoranthene 0.39 10 02/10/10 02/12/10 Benzo (k) fluoranthene < 0.39 mg/kg dry 0.39 kb avl 02/10/10 02/12/10 10 <0.39 mg/kg dry kh avl Benzo (a) pyrene 0.39 10 02/10/10 02/12/10 Indeno (1,2,3-cd) pyrene < 0.39 mg/kg dry kb avl 0.39 10 02/10/10 02/12/10 Dibenz (a,h) anthracene <0.39 mg/kg dry kh avl 0.39 Benzo (g,h,i) perylene <0.39 mg/kg dry 10 02/10/10 kb 02/12/10 avl 0.39 Surrogates: 302 % 02/10/10 38-81 10 02/12/10 2-Fluorophenol kb avl 302 Phenol-d5 % 32-102 10 02/10/10 02/12/10 kb avl

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54 %

67 %

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36-98

44-105

38-101

10

10

10

02/10/10

02/10/10

02/10/10

kb

kb

kb

02/12/10

02/12/10

02/12/10

avl

avl

avl

302

Nitrobenzene-d5

2-Fluorobiphenyl

2,4,6-Tribromophenol



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ANALYTICAL RESULTS

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B107-01 W19HS1-10-15 Composite			Collected: Received:	02/09/10 15:0 02/10/10 11:4		Matrix:			
PARAMETERS	3	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
SEMI-VOLAT	TILE ORGANIC COMPOU	NDS BY GC-MS								
Terpheny	rl-d14	88 %	46-109	10	02/10/10	kb	02/12/10	avl		
SEMI-VOLAT	TILE ORGANIC COMPOU	NDS, TCLP								
Analysis Meth	nod: EPA 8270C									
Batch: T0	014873									
Pyridine		<0.40 mg/L	0.40	2	02/15/10	kb	02/16/10	avl		5.0
2-Methylph	enol (o-Cresol)	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		20
3,4-Methylp	phenol (m,p Cresol)	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		20
Hexachloro	ethane	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		3.0
Nitrobenzer	ne	<0.020 mg/L	0.020	2	02/15/10	kb	02/16/10	avl		2.
Hexachloro	butadiene	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		0.5
2,4,6-Trichl	orophenol	<0.020 mg/L	0.020	2	02/15/10	kb	02/16/10	avl		2.
2,4,5-Trichl	orophenol	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		40
2,4-Dinitrot	oluene	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		0.1
Hexachloro	benzene	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		0.1
Pentachlor	ophenol	<0.10 mg/L	0.10	2	02/15/10	kb	02/16/10	avl		10
Surrogates	:									
2-Fluorop	phenol	40 %	20-53	2	02/15/10	kb	02/16/10	avl		
Phenol-d	5	22 %	11-40	2	02/15/10	kb	02/16/10	avl		
Nitrobenz	zene-d5	67 %	36-103	2	02/15/10	kb	02/16/10	avl		
2-Fluorob	piphenyl	62 %	36-119	2	02/15/10	kb	02/16/10	avl		
2,4,6-Trib	promophenol	72 %	30-105	2	02/15/10	kb	02/16/10	avl		
Terpheny	rl-d14	78 %	37-109	2	02/15/10	kb	02/16/10	avl		
PESTICIDES	/PCBS									
Analysis Meth	nod: EPA 8082									
Batch: TO	014855									
Aroclor-101	6	<0.078 mg/kg dry	0.078	1	02/12/10	kb	02/16/10	tim		
Aroclor-122	21	<0.078 mg/kg dry	0.078	1	02/12/10	kb	02/16/10	tim		
Aroclor-123	32	<0.078 mg/kg dry	0.078	1	02/12/10	kb	02/16/10	tim		
Aroclor-124	12	<0.078 mg/kg dry	0.078	1	02/12/10	kb	02/16/10	tim		
Aroclor-124	18	<0.078 mg/kg dry	0.078	1	02/12/10	kb	02/16/10	tim		
Aroclor-125	54	0.17 mg/kg dry	0.078	1	02/12/10	kb	02/16/10	tim		
Aroclor-126	00	<0.078 mg/kg dry	0.078	1	02/12/10	kb	02/16/10	tim		
Surrogates	:									
	ro-m-xylene	72 %	40-113	1	02/12/10	kb	02/16/10	tim	N	
Decachlo	robiphenyl	80 %	32-111	1	02/12/10	kb	02/16/10	tim	N	

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ANALYTICAL RESULTS

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remedia	ation / 6527.40								
Trace ID: T10B107-01 Sample ID: W19HS1-10-15 Composite			Collected: Received:	02/09/10 15:0 02/10/10 11:4		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
PESTICIDES/PCBS									
PESTICIDES/PCBS, TCLP									
Analysis Method: EPA 8081A									
Batch: T014892									
Chlordane	<0.00050 mg/L	0.00050	1	02/16/10	kb	02/17/10	tim		0.030
Endrin	<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		0.020
gamma-BHC (Lindane)	<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		0.40
Heptachlor	<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		0.0080
Heptachlor epoxide	<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		0.0080
Methoxychlor	<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		10
Toxaphene	<0.0050 mg/L	0.0050	1	02/16/10	kb	02/17/10	tim		0.50
Surrogates: Tetrachloro-m-xylene	59 %	38-94	1	02/16/10	kb	02/17/10	tim	N	
Decachlorobiphenyl	61 %	40-93	1	02/16/10	kb	02/17/10	tim	N	
HERBICIDES, TCLP									
Analysis Method: EPA 8151A									
Batch: T014893									
2,4-D	<0.050 mg/L	0.050	1	02/16/10	kb	02/18/10	tim	N	10
2,4,5-TP (Silvex)	<0.025 mg/L	0.025	1	02/16/10	kb	02/18/10	tim	N	1.0
Surrogates:	<u>.</u>	0.020					****		
2,4-Dichlorophenylacetic acid	98 %	39-125	1	02/16/10	kb	02/18/10	tim	N	
METALS, TOTAL									
Analysis Method: EPA 6010B									
Batch: T014871									
Barium	100 mg/kg dry	0.99	1	02/15/10	jd	02/16/10	jlm	202	
Cadmium	3.3 mg/kg dry	0.20	1	02/15/10	jd	02/16/10	jlm	-	
Chromium	16 mg/kg dry	0.99	1	02/15/10	jd	02/16/10	jlm		
Copper	40 mg/kg dry	0.99	1	02/15/10	jlm	02/16/10	jlm		
Lead	36 mg/kg dry	0.99	1	02/15/10	jd	02/16/10	jlm	202	
Nickel	14 mg/kg dry	0.99	1	02/15/10	jd	02/16/10	jlm		
Vanadium	27 mar/km dm.		4	00/45/40		02/46/40	:1		

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27 mg/kg dry

69 mg/kg dry

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0.99

0.99

02/15/10

02/15/10

1

jd

jd

02/16/10

02/16/10

jlm

jlm

202

Vanadium

Zinc



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ANALYTICAL RESULTS

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B107-01 W19HS1-10-15 Composite			Collected: Received:	02/09/10 15:0 02/10/10 11:4		Matrix:	Soil		
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, T	OTAL									
Analysis Me	thod: EPA 6020									
Batch: 1	Γ014871									
Arsenic		6.4 mg/kg dry	0.099	10	02/15/10	jd	02/15/10	jn	202	
Selenium		0.68 mg/kg dry	0.20	10	02/15/10	jd	02/15/10	jn		
Silver		0.10 mg/kg dry	0.097	10	02/12/10	jd	02/15/10	jn		
Analysis Me	thod: EPA 7471A									
Batch: 7	Γ014871									
Mercury		0.096 mg/kg dry	0.030	1	02/15/10	jd	02/15/10	jlm		
METALS, T	CLP									
Analysis Me	thod: EPA 6010B									
Batch: 1	Г014888									
Arsenic		<0.30 mg/L	0.30	1	02/15/10	jd	02/17/10	jlm		5.0
Barium		<1.0 mg/L	1.0	1	02/15/10	jd	02/17/10	jlm		100
Cadmium		<0.10 mg/L	0.10	1	02/15/10	jd	02/17/10	jlm		1.0
Chromium	1	<0.50 mg/L	0.50	1	02/15/10	jd	02/17/10	jlm		5.0
Copper		<0.50 mg/L	0.50	1	02/15/10	jd	02/17/10	jlm		
Lead		<0.50 mg/L	0.50	1	02/15/10	jd	02/17/10	jlm		5.0
Nickel		<0.50 mg/L	0.50	1	02/15/10	jd	02/17/10	jlm		
Selenium		<0.60 mg/L	0.60	1	02/15/10	jd	02/17/10	jlm		1.0
Silver		<0.10 mg/L	0.10	1	02/15/10	jd	02/17/10	jlm		5.0
Zinc		<0.50 mg/L	0.50	1	02/15/10	jd	02/17/10	jlm		
Analysis Me	thod: EPA 7470A									
Batch: 1	Γ014870									
Mercury		<0.010 mg/L	0.010	1	02/15/10	jd	02/15/10	jlm		0.20



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ANALYTICAL RESULTS

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B107-01 Date Collected: 02/09/10 15:00 Matrix: Soil

Sample ID: W19HS1-10-15 Composite Date Received: 02/10/10 11:42

<5.8 mg/kg dry

RESULTS UNITS PARAMETERS RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL

Sulfide, Reactive

WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014833									
% Solids	84 % by Wt.	0.10	1	02/11/10	sm	02/12/10	da	N	
Analysis Method: EPA 1010									
Batch: T014929									
Flashpoint	> 200 °F	1.0	1	02/17/10	sm	02/17/10	sm		
Analysis Method: EPA 9012B									
Batch: T014856									
Cyanide (total)	<0.12 mg/kg dry	0.12	1	02/12/10	sm	02/12/10	sm	N	
Analysis Method: EPA 9045C									
Batch: T014841									
Corrosivity-pH	7.58 pH Units		1	02/11/10	sm	02/11/10	sm	N	
Analysis Method: EPA Chapter 7.3									
Batch: T014848									
Cyanide, Reactive	<0.50 mg/kg dry	0.50	1	02/12/10	sm	02/12/10	sm		

5.8

02/15/10

da

02/16/10

bd

Ν



T10B107-02

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ANALYTICAL RESULTS

Trace Project ID: T10B107

Analysis Method: EPA 8260B

1,1-Dichloroethene

Trace ID:

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Sample ID: W19HS1-10-15 Grab Date Received: 02/10/10 11:42

Date Collected:

50

02/09/10 15:00

02/11/10

jp

Matrix: Soil

02/11/10

jр

Ν

RESULTS UNITS PARAMETERS RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL

VOLATILE ORGANIC COMPOUNDS BY GC-MS

Batch: T014931								
Chloromethane	<250 ug/kg dry	250	50	02/11/10	jp	02/11/10	jp	
Vinyl chloride	<40 ug/kg dry	40	50	02/11/10	jp	02/11/10	jp	
Bromomethane	<200 ug/kg dry	200	50	02/11/10	jp	02/11/10	jp	
Chloroethane	<250 ug/kg dry	250	50	02/11/10	jр	02/11/10	jp	

<50 ug/kg dry

Acetone	<1000 ug/kg dry	1000	50	02/11/10	jр	02/11/10	jp	
Carbon disulfide	<250 ug/kg dry	250	50	02/11/10	jp	02/11/10	jp	
Methylene chloride	<250 ug/kg dry	250	50	02/11/10	jp	02/11/10	jp	
1,1-Dichloroethane	<50 ug/kg dry	50	50	02/11/10	jp	02/11/10	jp	
2-Butanone	<750 ug/kg dry	750	50	02/11/10	jp	02/11/10	jp	
1,2-Dichloroethene (total)	<100 ug/kg dry	100	50	02/11/10	jp	02/11/10	jp	N
Chloroform	<50 ug/kg dry	50	50	02/11/10	jp	02/11/10	jp	

50

1,1,1-Trichloroethane	440 ug/kg dry	50	50	02/11/10	jp	02/11/10	jp
Carbon tetrachloride	<50 ug/kg dry	50	50	02/11/10	jp	02/11/10	jp
Benzene	<50 ug/kg dry	50	50	02/11/10	jp	02/11/10	jp
1,2-Dichloroethane	<50 ug/kg dry	50	50	02/11/10	jp	02/11/10	jp
Trichloroethene	560 ug/kg dry	50	50	02/11/10	jp	02/11/10	jp
1,2-Dichloropropane	<50 ug/kg dry	50	50	02/11/10	jp	02/11/10	jp
Bromodichloromethane	<100 ug/kg dry	100	50	02/11/10	jp	02/11/10	jp

Tetrachloroethene	550 ug/kg dry	50	50	02/11/10	jp	02/11/10	jp
1,1,2-Trichloroethane	<50 ug/kg dry	50	50	02/11/10	jp	02/11/10	jp
trans-1,3-Dichloropropene	<50 ug/kg dry	50	50	02/11/10	jp	02/11/10	jp
Toluene	380000 ug/kg dry	4100	5000	02/16/10	jp	02/16/10	jp
4-Methyl-2-pentanone	<2500 ug/kg dry	2500	50	02/11/10	jp	02/11/10	jр
cis-1,3-Dichloropropene	<50 ug/kg dry	50	50	02/11/10	jp	02/11/10	jp

2-Hexanone	<2500 ug/kg dry	2500	50	02/11/10	jp	02/11/10	jр	
Dibromochloromethane	<100 ug/kg dry	100	50	02/11/10	jp	02/11/10	jр	
Chlorobenzene	320 ug/kg dry	50	50	02/11/10	jp	02/11/10	jp	
Ethylbenzene	13000 ug/kg dry	820	1000	02/11/10	jp	02/11/10	jp	
m,p-Xylene	56000 ug/kg dry	1600	1000	02/11/10	jp	02/11/10	jp	
o-Xylene	17000 ug/kg dry	820	1000	02/11/10	jp	02/11/10	jp	

Aylenes, total	/3000 ug/kg ary	2500	1000	02/11/10	Jb	02/11/10	Jρ
Styrene	<50 ug/kg dry	50	50	02/11/10	jp	02/11/10	jр
Bromoform	<100 ug/kg dry	100	50	02/11/10	jp	02/11/10	jp
1,1,2,2-Tetrachloroethane	<50 ug/kg dry	50	50	02/11/10	jp	02/11/10	jp

CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Sample ID:	T10B107-02 W19HS1-10-15 Grab			Collected: Received:	02/09/10 15:0 02/10/10 11:4:		Matrix:	Soil		
PARAMETEI	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUNDS B	Y GC-MS								
Surrogate	'es:									
1,2-Dic	chloroethane-d4	98 %	70-133	50	02/11/10	jp	02/11/10	jp		
1,2-Dic	chloroethane-d4	97 %	70-133	1000	02/11/10	jp	02/11/10	jp		
1,2-Dic	chloroethane-d4	91 %	70-133	5000	02/16/10	jp	02/16/10	jp		
Toluene	e-d8	109 %	76-125	50	02/11/10	jp	02/11/10	jp		
Toluene	e-d8	104 %	76-125	1000	02/11/10	jp	02/11/10	jp		
Toluene	e-d8	101 %	76-125	5000	02/16/10	jp	02/16/10	jp		
4-Brom	nofluorobenzene	99 %	71-123	50	02/11/10	jp	02/11/10	jp		
4-Brom	nofluorobenzene	101 %	71-123	1000	02/11/10	jp	02/11/10	jp		
4-Brom	nofluorobenzene	98 %	71-123	5000	02/16/10	jp	02/16/10	jp		
1,2-Dicl	chlorobenzene-d4	92 %	72-123	50	02/11/10	jp	02/11/10	jp		
1,2-Dicl	chlorobenzene-d4	93 %	72-123	1000	02/11/10	jp	02/11/10	jp		
1,2-Dic	:hlorobenzene-d4	101 %	72-123	5000	02/16/10	jp	02/16/10	jp		
VOLATILE	ORGANIC COMPOUNDS, T	CLP								
Analysis Me	ORGANIC COMPOUNDS, T ethod: EPA 8260B T014910	CLP								
Analysis Me	ethod: EPA 8260B T014910	<0.050 mg/L	0.050	50	02/16/10	ip	02/16/10	ip		0.20
Analysis Me Batch: Vinyl chlo	ethod: EPA 8260B T014910	<0.050 mg/L	0.050 0.050	50 50	02/16/10 02/16/10	jp jp	02/16/10 02/16/10	jp ip		0.20 0.70
Analysis Me Batch: Vinyl chlo	ethod: EPA 8260B T014910 oride oroethene		0.050			jp		jp		
Analysis Me Batch: Vinyl chlo 1,1-Dichlo	ethod: EPA 8260B T014910 oride oroethene	<0.050 mg/L <0.050 mg/L	0.050 0.25	50	02/16/10		02/16/10			0.70
Analysis Me Batch: Vinyl chlo 1,1-Dichlo 2-Butanoo Chlorofon	ethod: EPA 8260B T014910 oride oroethene	<0.050 mg/L <0.050 mg/L <0.25 mg/L	0.050	50 50	02/16/10 02/16/10	jp jp	02/16/10 02/16/10	jp jp		0.70 200
Analysis Me Batch: Vinyl chlo 1,1-Dichlo 2-Butanoo Chlorofon	ethod: EPA 8260B T014910 pride procethene pre pre pre pre pre pre pre	<0.050 mg/L <0.050 mg/L <0.25 mg/L <0.050 mg/L	0.050 0.25 0.050	50 50 50	02/16/10 02/16/10 02/16/10	jp jp jp	02/16/10 02/16/10 02/16/10	jp jp jp		0.70 200 6.0
Analysis Me Batch: Vinyl chlo 1,1-Dichlo 2-Butanoi Chlorofon Carbon te Benzene	ethod: EPA 8260B T014910 pride procethene pre pre pre pre pre pre pre	<0.050 mg/L <0.050 mg/L <0.25 mg/L <0.050 mg/L <0.050 mg/L	0.050 0.25 0.050 0.050	50 50 50 50	02/16/10 02/16/10 02/16/10 02/16/10	jp jp jp jp	02/16/10 02/16/10 02/16/10 02/16/10	jp jp jp		0.70 200 6.0 0.50 0.50
Analysis Me Batch: Vinyl chlo 1,1-Dichlo 2-Butanoi Chlorofon Carbon te Benzene	ethod: EPA 8260B T014910 oride oroethene one rm etrachloride oroethane	<0.050 mg/L <0.050 mg/L <0.25 mg/L <0.050 mg/L <0.050 mg/L <0.050 mg/L	0.050 0.25 0.050 0.050 0.050	50 50 50 50 50	02/16/10 02/16/10 02/16/10 02/16/10 02/16/10	jp jp jp jp	02/16/10 02/16/10 02/16/10 02/16/10 02/16/10	jp jp jp jp		0.70 200 6.0 0.50 0.50
Analysis Me Batch: Vinyl chlo 1,1-Dichlo 2-Butanoi Chlorofon Carbon te Benzene 1,2-Dichlo	ethod: EPA 8260B T014910 oride oroethene one rm etrachloride oroethane ethene	<0.050 mg/L <0.050 mg/L <0.25 mg/L <0.050 mg/L <0.050 mg/L <0.050 mg/L <0.050 mg/L	0.050 0.25 0.050 0.050 0.050 0.050	50 50 50 50 50 50	02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10	jp jp jp jp jp	02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10	qi qi qi qi qi qi		0.70 200 6.0 0.50 0.50 0.50
Analysis Me Batch: Vinyl chlo 1,1-Dichlo 2-Butanoi Chlorofori Carbon te Benzene 1,2-Dichlo	ethod: EPA 8260B T014910 oride oroethene one rm etrachloride oroethane ethene oroethene	<0.050 mg/L <0.050 mg/L <0.25 mg/L <0.050 mg/L <0.050 mg/L <0.050 mg/L <0.050 mg/L <0.050 mg/L	0.050 0.25 0.050 0.050 0.050 0.050	50 50 50 50 50 50 50	02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10	jp jp jp jp jp jp	02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10	jp jp jp jp jp jp		0.70 200 6.0 0.50 0.50 0.50
Analysis Me Batch: Vinyl chlo 1,1-Dichlo 2-Butanoi Chlorofon Carbon te Benzene 1,2-Dichlo Trichloroe Tetrachlo Chlorobei	ethod: EPA 8260B T014910 oride oroethene one rm etrachloride oroethane ethene oroethene	<0.050 mg/L <0.050 mg/L <0.25 mg/L <0.050 mg/L	0.050 0.25 0.050 0.050 0.050 0.050 0.050	50 50 50 50 50 50 50	02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10	ip ip ip ip ip ip ip ip ip	02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10	qi jp jp jp jp jp jp		0.70 200 6.0 0.50 0.50 0.50 0.50
Analysis Me Batch: Vinyl chlo 1,1-Dichlo 2-Butanoi Chlorofon Carbon te Benzene 1,2-Dichlo Trichloroe Tetrachlo Chlorobei	ethod: EPA 8260B T014910 oride oroethene orne etrachloride oroethane ethene oroethene erne oroethene oroethene oroethene oroethene oroethene oroethene oroethene oroethene	<0.050 mg/L <0.050 mg/L <0.25 mg/L <0.050 mg/L	0.050 0.25 0.050 0.050 0.050 0.050 0.050 0.050	50 50 50 50 50 50 50 50	02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10	ip	02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10	ip		0.70 200 6.0 0.50 0.50 0.50 0.50 0.70
Analysis Me Batch: Vinyl chlo 1,1-Dichlo 2-Butanoi Chlorofori Carbon te Benzene 1,2-Dichlo Trichloroe Tetrachlo Chlorobei 1,4-Dichlo	ethod: EPA 8260B T014910 oride oroethene orne etrachloride oroethane ethene oroethene erne oroethene oroethene oroethene oroethene oroethene oroethene oroethene oroethene	<0.050 mg/L <0.050 mg/L <0.25 mg/L <0.050 mg/L	0.050 0.25 0.050 0.050 0.050 0.050 0.050 0.050	50 50 50 50 50 50 50 50	02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10	ip	02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10	ip		0.70 200 6.0 0.50 0.50 0.50 0.50 0.70
Analysis Me Batch: Vinyl chlo 1,1-Dichlo 2-Butanoi Chlorofori Carbon te Benzene 1,2-Dichlo Trichloroe Tetrachlo Chlorobei 1,4-Dichlo	ethod: EPA 8260B T014910 pride procethene procethene coroethane ethene procethene express express express corobenzene des: chloroethane-d4	<0.050 mg/L <0.050 mg/L <0.25 mg/L <0.050 mg/L	0.050 0.25 0.050 0.050 0.050 0.050 0.050 0.050 0.050	50 50 50 50 50 50 50 50 50	02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10	ip	02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10 02/16/10	ip		0.70 200 6.0 0.50 0.50 0.50 0.50 0.70

CERTIFICATE OF ANALYSIS

93 %

71-123

50

02/16/10

02/16/10

1,2-Dichlorobenzene-d4



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ANALYTICAL RESULTS

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B107-02 Date Collected: 02/09/10 15:00 Matrix: Soil

Sample ID: W19HS1-10-15 Grab Date Received: 02/10/10 11:42

PARAMETERS RESULTS UNITS RDL DILUTION PREPARED BY ANALYZED BY NOTES MCL

WET CHEMISTRY

Analysis Method: % Calculation

Batch: T014833

% Solids 87 % by Wt. 0.10 1 02/11/10 sm 02/12/10 da N



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ANALYTICAL RESULTS

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B107-03 Date Collected: 02/09/10 15:15 Matrix: Soil Sample ID: W19HS1-10-16 Date Received: 02/10/10 11:42 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** Analysis Method: EPA 8015 Batch: T014980 **Gasoline Range Organics (TPH)** 270 mg/kg dry 32 2000 02/17/10 jp 02/17/10 jp Surrogates: 103 % Ν Fluorobenzene 80-130 2000 02/17/10 02/17/10 **WET CHEMISTRY** Analysis Method: % Calculation Batch: T014833 % Solids 85 % by Wt. 0.10 02/11/10 sm 02/12/10 da Ν Analysis Method: EPA 9023 Batch: T014852 **Extractable Organic Halides** 110 mg/kg dry 02/12/10 02/12/10 rbp Ν 55 hd



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170 mg/kg dry

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ANALYTICAL RESULTS

Trace Project ID: T10B107

Analysis Method: EPA 9023 Batch: T014852 **Extractable Organic Halides**

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B107-04 Date Collected: 02/09/10 15:30 Matrix: Soil Sample ID: W19HS1-10-17 Date Received: 02/10/10 11:42 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** Analysis Method: EPA 8015 Batch: T014980 **Gasoline Range Organics (TPH)** 1100 mg/kg dry 83 5000 02/17/10 jp 02/17/10 jp Surrogates: 105 % Ν Fluorobenzene 80-130 5000 02/17/10 jp 02/17/10 **WET CHEMISTRY** Analysis Method: % Calculation Batch: T014833 % Solids 82 % by Wt. 0.10 02/11/10 sm 02/12/10 da Ν

02/12/10

bd

02/12/10

rbp

Ν



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ANALYTICAL RESULTS

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

	0B107-05 p Blank			Collected: Received:	02/02/10 02/10/10 11:4	2	Matrix:	Water		_
PARAMETERS		RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGA	ANIC COMPOUND	S BY GC-MS								
Analysis Method:	EPA 8260B									
Batch: T0148	35									
Dichlorodifluoro	methane	<5.0 ug/L	5.0	1	02/10/10	jp	02/10/10	jp		
Chloromethane		<5.0 ug/L	5.0	1	02/10/10	jp	02/10/10	jp		
Vinyl chloride		<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
Bromomethane		<5.0 ug/L	5.0	1	02/10/10	jp	02/10/10	jp		
Chloroethane		<5.0 ug/L	5.0	1	02/10/10	jp	02/10/10	jp		
Trichlorofluoron	nethane	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
Diethyl ether		<10 ug/L	10	1	02/10/10	jp	02/10/10	jp	N	
Tert-butyl alcoh	ol	<50 ug/L	50	1	02/10/10	jp	02/10/10	jp	N	
1,1-Dichloroethe	ene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
Acetone		<50 ug/L	50	1	02/10/10	jp	02/10/10	jp		
Iodomethane		<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp	N	
Carbon disulfide	е	<5.0 ug/L	5.0	1	02/10/10	jp	02/10/10	jp		
Methyl-tert-buty	d ether	<5.0 ug/L	5.0	1	02/10/10	jp	02/10/10	jp		
Methylene chlor	ride	<5.0 ug/L	5.0	1	02/10/10	jp	02/10/10	jp		
Acrylonitrile		<2.0 ug/L	2.0	1	02/10/10	jp	02/10/10	jp		
trans-1,2-Dichlo	proethene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
1,1-Dichloroetha	ane	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
Diisopropyl Ethe	er	<5.0 ug/L	5.0	1	02/10/10	jp	02/10/10	jp	N	
2-Butanone		<25 ug/L	25	1	02/10/10	jp	02/10/10	jp		
cis-1,2-Dichloro	ethene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
t-Butyl Ethyl Eth	ner	<5.0 ug/L	5.0	1	02/10/10	jp	02/10/10	jp	N	
Bromochlorome	ethane	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
Tetrahydrofurar	า	<90 ug/L	90	1	02/10/10	jp	02/10/10	jp	N	
Chloroform		<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
1,1,1-Trichloroe	ethane	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
Carbon tetrachle	oride	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
Benzene		<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
t-Amyl Methyl E	Ether	<5.0 ug/L	5.0	1	02/10/10	jp	02/10/10	jp	N	
1,2-Dichloroetha	ane	<1.0 ug/L	1.0	1	02/10/10	jр	02/10/10	jp		
Cyclohexane		<5.0 ug/L	5.0	1	02/10/10	jр	02/10/10	jp	N	
Trichloroethene	:	<1.0 ug/L	1.0	1	02/10/10	jр	02/10/10	jp		
1,2-Dichloropro		<1.0 ug/L	1.0	1	02/10/10	jр	02/10/10	jp		
Dibromomethar		<5.0 ug/L	5.0	1	02/10/10	jp	02/10/10	jp		
Bromodichloron		<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
		44.0		4	00/40/40	:	00/40/40	in.		

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<1.0 ug/L

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1.0

02/10/10

02/10/10

jр

cis-1,3-Dichloropropene



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ANALYTICAL RESULTS

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Frace ID: T10B107-05 Sample ID: Trip Blank			Collected: Received:	02/02/10 02/10/10 11:4:	2	Matrix:	Water		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
OLATILE ORGANIC COMPOUNDS	BY GC-MS								
4-Methyl-2-pentanone	<50 ug/L	50	1	02/10/10	jp	02/10/10	jp		
Toluene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
trans-1,3-Dichloropropene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
1,1,2-Trichloroethane	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
Tetrachloroethene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
2-Hexanone	<50 ug/L	50	1	02/10/10	jp	02/10/10	jp		
Dibromochloromethane	<5.0 ug/L	5.0	1	02/10/10	jp	02/10/10	jp		
1,2-Dibromoethane (EDB)	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
Chlorobenzene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
1,1,1,2-Tetrachloroethane	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
Ethylbenzene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
m,p-Xylene	<2.0 ug/L	2.0	1	02/10/10	jp	02/10/10	jp	N	
o-Xylene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp	N	
Xylenes, total	<3.0 ug/L	3.0	1	02/10/10	jp	02/10/10	jp	N	
Styrene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
Bromoform	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
Isopropylbenzene	<5.0 ug/L	5.0	1	02/10/10	jp	02/10/10	jp		
1,1,2,2-Tetrachloroethane	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
1,2,3-Trichloropropane	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
trans-1,4-Dichloro-2-butene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
Bromobenzene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jр		
n-Propylbenzene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
1,3,5-Trimethylbenzene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
t-Butyl Benzene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
1,2,4-Trimethylbenzene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jp		
sec-Butylbenzene	<1.0 ug/L	1.0	1	02/10/10	jр	02/10/10	jp		
p-Isopropyltoluene	<5.0 ug/L	5.0	1	02/10/10	jр	02/10/10	jр		
1.3-Dichlorobenzene	<1.0 ug/L	1.0	1	02/10/10	jp	02/10/10	jр		
1,4-Dichlorobenzene	<1.0 ug/L	1.0	1	02/10/10	jр	02/10/10	jр		
n-Butylbenzene	<1.0 ug/L	1.0	1	02/10/10	jр	02/10/10	jр		
1,2,3-Trimethylbenzene	<1.0 ug/L	1.0	1	02/10/10	jр	02/10/10	jр	N	
1,2-Dichlorobenzene	<1.0 ug/L	1.0	1	02/10/10	jр	02/10/10	jр	14	
1,2-Dibromo-3-chloropropane	<1.0 ug/L		1	02/10/10	jр	02/10/10	jр		
Hexachloroethane	<5.0 ug/L	1.0	1	02/10/10	јр	02/10/10	jр	N	
	<5.0 ug/L	5.0	1	02/10/10		02/10/10		IN	
1,2,4-Trichlorobenzene	<5.0 ug/L	5.0			jp in		jp in	N.	
Naphthalene 1,2,3-Trichlorobenzene	<5.0 ug/L <5.0 ug/L	5.0 5.0	1 1	02/10/10 02/10/10	jp jp	02/10/10 02/10/10	jp jp	N	

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ANALYTICAL RESULTS

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B107-05 Sample ID: Trip Blank		Date Collected: Date Received:		02/02/10 02/10/10 11:42		Matrix:	Water	er	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUND	S BY GC-MS								
2-Methylnaphthalene	<5.0 ug/L	5.0	1	02/10/10	jp	02/10/10	jp	N	
Surrogates: 1,2-Dichloroethane-d4	99 %	70-133	1	02/10/10	jp	02/10/10	jp		
Toluene-d8	104 %	76-125	1	02/10/10	jp	02/10/10	jp		
4-Bromofluorobenzene	99 %	71-123	1	02/10/10	jp	02/10/10	jp		
1,2-Dichlorobenzene-d4	91 %	72-123	1	02/10/10	jp	02/10/10	jp		



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QUALITY CONTROL RESULTS

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014865 Analysis Description: TCLP Extraction, SVOC

QC Batch Method: Leaching proceedures Analysis Method: EPA 1311

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014871 Analysis Description: Barium, Total
QC Batch Method: EPA 3051 Microwave Assisted Analysis Method: EPA 6010B

METHOD BLANK: T014871-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Barium	mg/kg dry	<1.0	1.0	
Cadmium	mg/kg dry	<0.20	0.20	
Chromium	mg/kg dry	<2.0	2.0	
Copper	mg/kg dry	<1.0	1.0	
Nickel	mg/kg dry	<1.0	1.0	
Lead	mg/kg dry	<1.0	1.0	
Vanadium	mg/kg dry	<1.0	1.0	
Zinc	mg/kg dry	<1.0	1.0	

LABORATORY CONTROL SAMPLE: T014871-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Barium	mg/kg dry	40.0	37.7	94	80-120	
Cadmium	mg/kg dry	40.0	39.4	98	80-120	
Chromium	mg/kg dry	40.0	38.6	96	80-120	
Copper	mg/kg dry	40.0	37.8	94	80-120	
Nickel	mg/kg dry	40.0	38.5	96	80-120	
Lead	mg/kg dry	40.0	38.2	96	80-120	
Vanadium	mg/kg dry	40.0	38.6	96	80-120	
Zinc	mg/kg dry	40.0	40.3	101	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014871-MSD1 Original: T10B107-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Barium	mg/kg dry	103	39.8	123	142	53	98	75-125	60	20	202
Cadmium	mg/kg dry	3.26	39.8	35.7	40.5	84	93	75-125	11	20	
Chromium	mg/kg dry	16.2	39.8	48.0	51.2	82	88	75-125	7	20	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014871-MSD1

Original:	T10B107-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Copper	mg/kg dry	40.0	39.8	68.2	75.2	73	88	75-125	19	20	208
Nickel	mg/kg dry	13.8	39.8	44.9	48.8	80	88	75-125	9	20	
Lead	mg/kg dry	36.2	39.8	59.5	68.3	60	81	75-125	29	20	202
Vanadium	mg/kg dry	27.4	39.8	59.9	62.7	84	88	75-125	6	20	
Zinc	mg/kg dry	69.1	39.8	94.5	105	66	90	75-125	32	20	202

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014888
QC Batch Method: EPA 3015 Microwave Assisted

Analysis Description: Zinc, TCLP Analysis Method: EPA 6010B

METHOD BLANK: T014888-BLK1

		Disale		
Parameter	Units	Blank Result	Reporting Limit	Note
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Copper	mg/L	<0.50	0.50	
Nickel	mg/L	<0.50	0.50	
Lead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	
Zinc	mg/L	<0.50	0.50	

METHOD BLANK: T014888-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Copper	mg/L	<0.50	0.50	
Nickel	mg/L	<0.50	0.50	
Lead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	
Zinc	mg/L	<0.50	0.50	

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METHOD BLANK: T014888-BLK3

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Copper	mg/L	<0.50	0.50	
Nickel	mg/L	<0.50	0.50	
Lead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	
Zinc	mg/L	<0.50	0.50	

LABORATORY CONTROL SAMPLE: T014888-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Silver	mg/L	0.0278	<0.10	92	80-120	
Arsenic	mg/L	0.0556	<0.30	94	80-120	
Barium	mg/L	0.889	<1.0	98	80-120	
Cadmium	mg/L	0.0278	<0.10	98	80-120	
Chromium	mg/L	0.0278	<0.50	96	80-120	
Copper	mg/L	0.889	0.872	98	80-120	
Nickel	mg/L	0.889	0.870	98	80-120	
Lead	mg/L	0.0556	<0.50	102	80-120	
Selenium	mg/L	0.0556	<0.60	83	80-120	
Zinc	mg/L	0.889	0.862	97	80-120	

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014854 Analysis Description: Silver, Total
QC Batch Method: EPA 3051 Microwave Assisted Digestion Analysis Method: EPA 6020

METHOD BLANK: T014854-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	ma/ka dry	<0.10	0.10	

LABORATORY CONTROL SAMPLE: T014854-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Silver	mg/kg dry	5.00	5.18	104	80-120	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014854-MSD1	Original: T10B107-01
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Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Silver	mg/kg dry	0.100	4.98	4.51	4.16	89	82	75-125	9	20	

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014871 Analysis Description: Selenium, Total
QC Batch Method: EPA 3051 Microwave Assisted Analysis Method: EPA 6020

METHOD BLANK: T014871-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Arsenic	mg/kg dry	<0.10	0.10	
Selenium	mg/kg dry	<0.20	0.20	

LABORATORY CONTROL SAMPLE: T014871-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Arsenic	mg/kg dry	5.00	4.60	92	80-120	
Selenium	mg/kg dry	5.00	4.13	83	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014871-MSD1 Original: T10B107-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Arsenic	mg/kg dry	6.40	4.98	9.94	11.3	73	98	75-125	29	20	202
Selenium	ma/ka drv	0.681	4.98	4.00	4.47	68	76	75-125	11	20	208

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014870 Analysis Description: Mercury, TCLP
QC Batch Method: EPA 7470A Prep Analysis Method: EPA 7470A

METHOD BLANK: T014870-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/L	<0.010	0.010	

METHOD BLANK: T014870-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/L	<0.010	0.010	



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METHOD BLANK: T014870-BLK3

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/L	<0.010	0.010	

LABORATORY CONTROL SAMPLE: T014870-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	mg/L	0.00200	<0.010	103	80-120	

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014871 Analysis Description: Mercury, Total, EPA 7470/7471
QC Batch Method: EPA 3051 Microwave Assisted Analysis Method: EPA 7471A

METHOD BLANK: T014871-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ma/ka drv	<0.050	0.050	

LABORATORY CONTROL SAMPLE: T014871-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	mg/kg dry	0.200	0.188	94	77-122	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014871-MSD1

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Mercury	mg/kg dry	0.0957	0.199	0.251	0.247	80	76	76-123	6	20	

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Original: T10B107-01

QC Batch: T014864 Analysis Description: TCLP Extraction, Metals
QC Batch Method: Leaching proceedures Analysis Method: EPA 1311

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014866 Analysis Description: TCLP ZHE, Volatiles
QC Batch Method: Leaching proceedures Analysis Method: EPA 1311

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

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QC Batch: T014892 Analysis Description: TCLP Pesticides QC Batch Method: EPA 3510C Separatory Funnel Analysis Method: EPA 8081A

METHOD BLANK: T014892-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Chlordane	mg/L	<0.00005 0	0.000050	
Endrin	mg/L	<0.00001 0	0.000010	
gamma-BHC (Lindane)	mg/L	<0.00001 0	0.000010	
Heptachlor	mg/L	<0.00001 0	0.000010	
Heptachlor epoxide	mg/L	<0.00001 0	0.000010	
Methoxychlor	mg/L	<0.00001 0	0.000010	
Toxaphene	mg/L	<0.00050	0.00050	
Tetrachloro-m-xylene (S)	%	50	38-94	
Decachlorobiphenyl (S)	%	61	40-93	

LABORATORY CONTROL SAMPLE: T014892-BS1

Parameter	Units		LCS Result	LCS % Rec	% Rec Limit	Notes
Endrin	mg/L	0.0000500 0.0	000035	71	31-145	
gamma-BHC (Lindane)	mg/L	0.0000500 0.0	000033 3	67	38-125	
Heptachlor	mg/L	0.0000500 0.0	000032 7	65	34-124	
Heptachlor epoxide	mg/L	0.0000500 0.0	000038 9	78	35-125	
Methoxychlor	mg/L	0.0000500 0.0	000035 4	71	54-109	
Tetrachloro-m-xylene (S)	%	0.000100 0.0	000064 0	64	38-94	
Decachlorobiphenyl (S)	%	0.000100 0.0	000066 8	67	40-93	

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014855 Analysis Description: PCBs QC Batch Method: EPA 3550B Ultrasonic Extraction Analysis Method: EPA 8082

METHOD BLANK: T014855-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Aroclor-1016	mg/kg wet	<0.33	0.33	
Aroclor-1221	mg/kg wet	<0.33	0.33	
Aroclor-1232	mg/kg wet	<0.33	0.33	
Aroclor-1242	mg/kg wet	<0.33	0.33	

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METHOD BLANK: T014855-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Aroclor-1248	mg/kg wet	<0.33	0.33	
Aroclor-1254	mg/kg wet	<0.33	0.33	
Aroclor-1260	mg/kg wet	<0.33	0.33	
Tetrachloro-m-xylene (S)	%	74	40-113	
Decachlorobiphenyl (S)	%	77	32-111	

LABORATORY CONTROL SAMPLE: T014855-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Aroclor-1016	mg/kg wet	0.667	0.463	69	51-110	
Aroclor-1260	mg/kg wet	0.667	0.521	78	49-110	
Tetrachloro-m-xylene (S)	%	0.0333	0.0309	93	40-113	
Decachlorobiphenyl (S)	%	0.0333	0.0324	97	32-111	

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014893 Analysis Description: TCLP Herbicides
QC Batch Method: EPA 8151 Analysis Method: EPA 8151A

METHOD BLANK: T014893-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
2,4-D	mg/L	<0.0020	0.0020	
2,4,5-TP (Silvex)	mg/L	<0.0010	0.0010	
2,4-Dichlorophenylacetic acid (S)	%	81	39-125	

LABORATORY CONTROL SAMPLE: T014893-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2,4-D	mg/L	0.00400	0.00354	88	40-129	
2,4,5-TP (Silvex)	mg/L	0.00400	0.00319	80	56-121	
2,4-Dichlorophenylacetic acid (S)	%	0.00800	0.00862	108	39-125	

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014811 Analysis Description: Semi-volatiles, TCL list
QC Batch Method: EPA 3550B Ultrasonic Extraction Analysis Method: EPA 8270C

METHOD BLANK: T014811-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Bis(2-ethylhexyl)phthalate	mg/kg wet	<0.083	0.083	

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METHOD BLANK: T014811-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Nitrobenzene-d5 (S)	%	67	36-98	
2-Fluorobiphenyl (S)	%	69	44-105	
Terphenyl-d14 (S)	%	88	46-109	

LABORATORY CONTROL SAMPLE: T014811-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2-Chlorophenol	mg/kg wet	3.39	2.76	81	49-93	
Phenol	mg/kg wet	3.32	2.37	71	40-90	
1,4-Dichlorobenzene	mg/kg wet	1.75	1.39	79	37-106	
N-Nitrosodi-n-propylamine	mg/kg wet	1.49	1.23	83	51-106	
1,2,4-Trichlorobenzene	mg/kg wet	1.81	1.48	81	49-100	
4-Chloro-3-methylphenol	mg/kg wet	3.46	2.72	79	50-96	
Acenaphthene	mg/kg wet	1.75	1.34	76	52-105	
2,4-Dinitrotoluene	mg/kg wet	1.70	1.36	80	51-108	
4-Nitrophenol	mg/kg wet	3.32	2.30	69	22-112	
Pentachlorophenol	mg/kg wet	3.42	2.88	84	30-111	
Pyrene	mg/kg wet	1.75	1.45	83	47-114	
2-Fluorophenol (S)	%	3.32	2.68	81	38-81	
Phenol-d5 (S)	%	3.32	2.65	80	32-102	
Nitrobenzene-d5 (S)	%	3.32	2.65	80	36-98	
2-Fluorobiphenyl (S)	%	3.32	2.67	80	44-105	
2,4,6-Tribromophenol (S)	%	3.32	2.96	89	38-101	
Terphenyl-d14 (S)	%	3.32	3.07	92	46-109	

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014873 Analysis Description: TCLP Semi-Volatiles
QC Batch Method: EPA 3510C Separatory Funnel Analysis Method: EPA 8270C

METHOD BLANK: T014873-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Pyridine	mg/L	<0.020	0.020	
2-Methylphenol (o-Cresol)	mg/L	<0.0025	0.0025	
3,4-Methylphenol (m,p Cresol)	mg/L	<0.0025	0.0025	
Hexachloroethane	mg/L	<0.0025	0.0025	
Nitrobenzene	mg/L	<0.0010	0.0010	
Hexachlorobutadiene	mg/L	<0.0025	0.0025	
2,4,6-Trichlorophenol	mg/L	<0.0010	0.0010	
2,4,5-Trichlorophenol	mg/L	<0.0025	0.0025	
2,4-Dinitrotoluene	mg/L	<0.0025	0.0025	

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METHOD BLANK: T014873-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Hexachlorobenzene	mg/L	<0.0025	0.0025	
Pentachlorophenol	mg/L	<0.0050	0.0050	
2-Fluorophenol (S)	%	30	20-53	
Phenol-d5 (S)	%	17	11-40	
Nitrobenzene-d5 (S)	%	49	36-103	
2-Fluorobiphenyl (S)	%	43	36-119	
2,4,6-Tribromophenol (S)	%	68	30-105	
Terphenyl-d14 (S)	%	74	37-109	

LABORATORY CONTROL SAMPLE: T014873-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2,4-Dinitrotoluene	mg/L	0.0510	0.0354	69	39-105	
Pentachlorophenol	mg/L	0.103	0.0788	76	38-102	
2-Fluorophenol (S)	%	0.100	0.0415	42	20-53	
Phenol-d5 (S)	%	0.100	0.0254	25	11-40	
Nitrobenzene-d5 (S)	%	0.100	0.0672	67	36-103	
2-Fluorobiphenyl (S)	%	0.100	0.0646	65	36-119	
2,4,6-Tribromophenol (S)	%	0.100	0.0827	83	30-105	
Terphenyl-d14 (S)	%	0.100	0.0867	87	37-109	

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014980
QC Batch Method: SW846 5035 Purge-and-Trap for Solids

Analysis Description: Gasoline Range Organics

Analysis Method: EPA 8015

METHOD BLANK: T014980-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Gasoline Range Organics (TPH)	mg/kg wet	<4.0	4.0	
Fluorobenzene (S)	%	109	80-130	

METHOD BLANK: T014980-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Gasoline Range Organics (TPH)	mg/kg wet	<4.0	4.0	
Fluorobenzene (S)	%	106	80-130	

LABORATORY CONTROL SAMPLE: T014980-BS1

Parameter	Units	Spike LC	s LCS	% Rec Limit	Notes
	Offits	Conc. Res	ult % Rec	LITTIIL	110100

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LABORATORY CONTROL SAMPLE: T014980-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Gasoline Range Organics (TPH)	mg/kg wet	20.0	22.3	112	80-120	
Fluorobenzene (S)	%	100	107	107	80-130	

LABORATORY CONTROL SAMPLE: T014980-BS2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Gasoline Range Organics (TPH)	mg/kg wet	20.0	21.7	108	80-120	
Fluorobenzene (S)	%	100	105	105	80-130	

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014835

Analysis Description: Volatiles, Full MDEQ+ List

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous

Analysis Method: EPA 8260B

METHOD BLANK: T014835-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Dichlorodifluoromethane	ug/L	<5.0	5.0	
Chloromethane	ug/L	<5.0	5.0	
Vinyl chloride	ug/L	<1.0	1.0	
Bromomethane	ug/L	<5.0	5.0	
Chloroethane	ug/L	<5.0	5.0	
Trichlorofluoromethane	ug/L	<1.0	1.0	
Diethyl ether	ug/L	<10	10	
Tert-butyl alcohol	ug/L	<50	50	
1,1-Dichloroethene	ug/L	<1.0	1.0	
Acetone	ug/L	<50	50	
Iodomethane	ug/L	<1.0	1.0	
Carbon disulfide	ug/L	<5.0	5.0	
Methyl-tert-butyl ether	ug/L	<5.0	5.0	
Methylene chloride	ug/L	<5.0	5.0	
Acrylonitrile	ug/L	<2.0	2.0	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	
1,1-Dichloroethane	ug/L	<1.0	1.0	
Diisopropyl Ether	ug/L	<5.0	5.0	
2-Butanone	ug/L	<25	25	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	
t-Butyl Ethyl Ether	ug/L	<5.0	5.0	
Bromochloromethane	ug/L	<1.0	1.0	
Tetrahydrofuran	ug/L	<90	90	
Chloroform	ug/L	<1.0	1.0	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	
Carbon tetrachloride	ug/L	<1.0	1.0	

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METHOD BLANK: T014835-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Benzene	ug/L	<1.0	1.0	
t-Amyl Methyl Ether	ug/L	<5.0	5.0	
1,2-Dichloroethane	ug/L	<1.0	1.0	
Cyclohexane	ug/L	<5.0	5.0	
Trichloroethene	ug/L	<1.0	1.0	
1,2-Dichloropropane	ug/L	<1.0	1.0	
Dibromomethane	ug/L	<5.0	5.0	
Bromodichloromethane	ug/L	<1.0	1.0	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	
4-Methyl-2-pentanone	ug/L	<50	50	
Гoluene	ug/L	<1.0	1.0	
rans-1,3-Dichloropropene	ug/L	<1.0	1.0	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	
Tetrachloroethene	ug/L	<1.0	1.0	
2-Hexanone	ug/L	<50	50	
Dibromochloromethane	ug/L	<5.0	5.0	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	
Chlorobenzene	ug/L	<1.0	1.0	
,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	
Ethylbenzene	ug/L	<1.0	1.0	
n,p-Xylene	ug/L	<2.0	2.0	
o-Xylene	ug/L	<1.0	1.0	
Kylenes, total	ug/L	<3.0	3.0	
Styrene	ug/L	<1.0	1.0	
Bromoform	ug/L	<1.0	1.0	
sopropylbenzene	ug/L	<5.0	5.0	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	
rans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	
Bromobenzene	ug/L	<1.0	1.0	
n-Propylbenzene	ug/L	<1.0	1.0	
,3,5-Trimethylbenzene	ug/L	<1.0	1.0	
-Butyl Benzene	ug/L	<1.0	1.0	
I,2,4-Trimethylbenzene	ug/L	<1.0	1.0	
sec-Butylbenzene	ug/L	<1.0	1.0	
o-Isopropyltoluene	ug/L	<5.0	5.0	
,3-Dichlorobenzene	ug/L	<1.0	1.0	
,4-Dichlorobenzene	ug/L	<1.0	1.0	
n-Butylbenzene	ug/L	<1.0	1.0	
1,2,3-Trimethylbenzene	ug/L	<1.0	1.0	
,2-Dichlorobenzene	ug/L	<1.0	1.0	
,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	
Hexachloroethane	ug/L	<5.0	5.0	
1,2,4-Trichlorobenzene	ug/L	<5.0	5.0	
Naphthalene	ug/L	<5.0	5.0	

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METHOD BLANK: T014835-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
1,2,3-Trichlorobenzene	ug/L	<5.0	5.0	
2-Methylnaphthalene	ug/L	<5.0	5.0	
1,2-Dichloroethane-d4 (S)	%	98	70-133	
Toluene-d8 (S)	%	104	76-125	
4-Bromofluorobenzene (S)	%	100	71-123	
1,2-Dichlorobenzene-d4 (S)	%	91	72-123	

LABORATORY CONTROL SAMPLE: T014835-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,1-Dichloroethene	ug/L	20.0	17.1	86	64-156	
Benzene	ug/L	20.0	18.9	95	80-120	
Trichloroethene	ug/L	20.0	19.7	98	69-133	
Toluene	ug/L	20.0	18.9	94	80-120	
Chlorobenzene	ug/L	20.0	18.7	94	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	44.4	99	70-133	
Toluene-d8 (S)	%	45.0	46.8	104	76-125	
4-Bromofluorobenzene (S)	%	45.0	44.6	99	71-123	
1,2-Dichlorobenzene-d4 (S)	%	45.0	43.2	96	72-123	

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014910 Analysis Description: TCLP Volatiles
QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous Analysis Method: EPA 8260B

METHOD BLANK: T014910-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Vinyl chloride	mg/L	<0.0010	0.0010	
1,1-Dichloroethene	mg/L	<0.0010	0.0010	
2-Butanone	mg/L	<0.0050	0.0050	
Chloroform	mg/L	<0.0010	0.0010	
Carbon tetrachloride	mg/L	<0.0010	0.0010	
Benzene	mg/L	<0.0010	0.0010	
1,2-Dichloroethane	mg/L	<0.0010	0.0010	
Trichloroethene	mg/L	<0.0010	0.0010	
Tetrachloroethene	mg/L	<0.0010	0.0010	
Chlorobenzene	mg/L	<0.0010	0.0010	
1,4-Dichlorobenzene	mg/L	<0.0010	0.0010	
1,2-Dichloroethane-d4 (S)	%	97	70-133	
Toluene-d8 (S)	%	103	76-125	
4-Bromofluorobenzene (S)	%	104	72-123	
1,2-Dichlorobenzene-d4 (S)	%	94	71-123	

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LABORATORY CONTROL SAMPLE: T014910-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Vinyl chloride	mg/L	0.0200	0.0154	77	47-184	
1,1-Dichloroethene	mg/L	0.0200	0.0164	82	64-156	
2-Butanone	mg/L	0.0200	0.0172	86	70-130	
Chloroform	mg/L	0.0200	0.0187	94	80-120	
Carbon tetrachloride	mg/L	0.0200	0.0196	98	79-141	
Benzene	mg/L	0.0200	0.0185	93	80-120	
1,2-Dichloroethane	mg/L	0.0200	0.0189	95	80-120	
Trichloroethene	mg/L	0.0200	0.0199	100	69-133	
Tetrachloroethene	mg/L	0.0200	0.0182	91	70-120	
Chlorobenzene	mg/L	0.0200	0.0184	92	80-120	
1,4-Dichlorobenzene	mg/L	0.0200	0.0170	85	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	43.8	97	70-133	
Toluene-d8 (S)	%	45.0	46.0	102	76-125	
4-Bromofluorobenzene (S)	%	45.0	46.3	103	72-123	
1,2-Dichlorobenzene-d4 (S)	%	45.0	44.1	98	71-123	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014910-MSD1

MATRIX OF INE / MATRIX OF INE BOT ELOATE: 1014310-MODI					U						
Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Vinyl chloride	mg/L	0	20.0	16.7	14.7	83	74	60-153	12	13	
1,1-Dichloroethene	mg/L	0	20.0	18.1	16.2	90	81	60-146	11	15	
2-Butanone	mg/L	0	20.0	19.2	17.7	96	88	60-140	8	23	
Chloroform	mg/L	0	20.0	20.5	18.6	103	93	68-124	10	13	
Carbon tetrachloride	mg/L	0	20.0	20.4	18.4	102	92	68-125	10	12	
Benzene	mg/L	0	20.0	20.4	18.3	102	92	78-114	11	11	
1,2-Dichloroethane	mg/L	0	20.0	20.9	19.0	104	95	63-132	9	11	
Trichloroethene	mg/L	0	20.0	21.5	19.3	108	96	70-117	11	14	
Tetrachloroethene	mg/L	0	20.0	20.6	18.0	103	90	57-126	14	12	207
Chlorobenzene	mg/L	0	20.0	20.6	18.1	103	90	75-116	13	12	207
1,4-Dichlorobenzene	mg/L	0	20.0	20.3	16.9	101	84	69-118	18	18	
1,2-Dichloroethane-d4 (S)	%		45.0	44.0	43.5	98	97	70-133			
Toluene-d8 (S)	%		45.0	46.7	45.9	104	102	76-125			
4-Bromofluorobenzene (S)	%		45.0	46.4	46.7	103	104	72-123			
1,2-Dichlorobenzene-d4 (S)	%		45.0	44.6	44.2	99	98	71-123			

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Original: T10B107-02

QC Batch: T014931 Analysis Description: Volatiles, Target Compound List QC Batch Method: EPA 5035 Purge-and-Trap for Solids and Analysis Method: EPA 8260B



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METHOD BLANK: T014931-BLK1

Chloromethane ug/kg wet <250 250 Vinyl chloride ug/kg wet <40 40 Bromomethane ug/kg wet <200 200 Chloroethane ug/kg wet <250 250 1.1-Dichloroethene ug/kg wet <50 50 Acetone ug/kg wet <250 250 Methylene chloride ug/kg wet <250 250 Methylene chloride ug/kg wet <50 50 2-Butanone ug/kg wet <50 50 2-Butanone (total) ug/kg wet <100 100 Chloroform ug/kg wet <50 50 1,1-1-Trichloroethane ug/kg wet <50 50 Carbon tetrachloride ug/kg wet <50 50 Benzene ug/kg wet <50 50 1,2-Dichloropethane ug/kg wet <50 50 1,2-Dichloropethane ug/kg wet <50 50 Benzene ug/kg wet <50 50	Notes
Bromomethane ug/kg wet <200 200 Chloroethane ug/kg wet <250 250 1,1-Dichloroethene ug/kg wet <50 50 Acetone ug/kg wet <250 250 1,1-Dichloroethene ug/kg wet <1000 1000 Carbon disulfide ug/kg wet <250 250 Methylene chloride ug/kg wet <250 250 Methylene chloride ug/kg wet <250 250 1,1-Dichloroethane ug/kg wet <50 50 2-Butanone ug/kg wet <750 750 1,2-Dichloroethane (total) ug/kg wet <50 50 1,1,1-Trichloroethane ug/kg wet <50 50 Carbon tetrachloride ug/kg wet <50 50 1,1,1-Trichloroethane ug/kg wet <50 50 Carbon tetrachloride ug/kg wet <50 50 Carbon tetrachloride ug/kg wet <50 50 Carbon tetrachloride ug/kg wet <50 50 1,2-Dichloroethane ug/kg wet <50 50 1,2-Dichloroethane ug/kg wet <50 50 1,2-Dichloroethane ug/kg wet <50 50 Trichloroethane ug/kg wet <50 50 Toluene ug/kg wet <50 50 Toluen	
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Acetone ug/kg wet <1000 1000 Carbon disulfide ug/kg wet <250 250 Methylene chloride ug/kg wet <250 250 Methylene chloride ug/kg wet <250 250 1,1-Dichloroethane ug/kg wet <50 50 2-Butanone ug/kg wet <750 750 1,2-Dichloroethene (total) ug/kg wet <50 50 Carbon tetrachloride ug/kg wet <50 50 1,1,1-Trichloroethane ug/kg wet <50 50 Carbon tetrachloride ug/kg wet <50 50 Carbon tetrachloride ug/kg wet <50 50 Eanzene ug/kg wet <50 50 Enzene ug/kg wet <50 50 Enzene ug/kg wet <50 50 Enzene ug/kg wet <50 50 Trichloroethane ug/kg wet <50 50 Trichloroethane ug/kg wet <50 50 Trichloroethane ug/kg wet <50 50 Tournel tetrachloride ug/kg wet <50 50 Trichloroethene ug/kg wet <50 50 Trichloroethene ug/kg wet <50 50 Tournel ug/kg wet <50 50 Tetrachloroethane ug/kg wet <50 50 Tetrachloro	
Carbon disulfide ug/kg wet <250 250 Methylene chloride ug/kg wet <250 250 1,1-Dichloroethane ug/kg wet <50 50 2.Butanone ug/kg wet <750 750 1,2-Dichloroethene (total) ug/kg wet <100 100 Chloroform ug/kg wet <50 50 Carbon tetrachloride ug/kg wet <50 50 Earnout tetrachloroethane ug/kg wet <50 50 Earnout tetrachloroethane ug/kg wet <50 50 Earnout tetrachloroethane ug/kg wet <50 50 Earnout tetrachlororoethane ug/kg wet <50 50 Earnout tetrachloroethane ug/kg wet <50 50 Earloroethane ug/kg wet <50 50 Earlo	
Methylene chloride ug/kg wet <250	
1,1-Dichloroethane ug/kg wet <50	
2-Butanone ug/kg wet < 750	
1,2-Dichloroethene (total) ug/kg wet <100	
Chloroform ug/kg wet <50 50 1,1,1-Trichloroethane ug/kg wet <50	
1,1,1-Trichloroethane ug/kg wet <50	
Carbon tetrachloride ug/kg wet < 50	
Benzene ug/kg wet <50 50 1,2-Dichloroethane ug/kg wet <50 50 1,2-Dichloroethene ug/kg wet <50 50 1,2-Dichloropropane ug/kg wet <50 50 8romodichloromethane ug/kg wet <100 100 cis-1,3-Dichloropropene ug/kg wet <50 50 4-Methyl-2-pentanone ug/kg wet <250 2500 Toluene ug/kg wet <100 100 trans-1,3-Dichloropropene ug/kg wet <50 50 1,1,2-Trichloroethane ug/kg wet <50 50 1,1,2-Trichloroethane ug/kg wet <50 50 1,1,2-Trichloroethane ug/kg wet <50 50 1,10-Pentanone ug/kg wet <50 50 1,10-Pentanone ug/kg wet <50 50 1,10-Pentanone ug/kg wet <50 50 1,1,2-Trichloroethane ug/kg wet <50 50 2-Hexanone ug/kg wet <50 50 2-Hexanone ug/kg wet <50 50 2-Hexanone ug/kg wet <50 50 8-Pentanone ug/kg wet <50 50	
1,2-Dichloroethane ug/kg wet <50	
Trichloroethene ug/kg wet <50	
1,2-Dichloropropane ug/kg wet <50	
Bromodichloromethane ug/kg wet <100	
cis-1,3-Dichloropropene ug/kg wet <50	
4-Methyl-2-pentanone ug/kg wet <2500 2500 Toluene ug/kg wet <100 100 trans-1,3-Dichloropropene ug/kg wet <50 50 1,1,2-Trichloroethane ug/kg wet <50 50 Tetrachloroethene ug/kg wet <50 50 2-Hexanone ug/kg wet <2500 2500 Dibromochloromethane ug/kg wet <100 100 Chlorobenzene ug/kg wet <50 50 Ethylbenzene ug/kg wet <50 50 Ethylbenzene ug/kg wet <50 50 m,p-Xylene ug/kg wet <100 100 o-Xylene	
4-Methyl-2-pentanone ug/kg wet <2500	
trans-1,3-Dichloropropene ug/kg wet <50	
trans-1,3-Dichloropropene ug/kg wet <50	
Tetrachloroethene ug/kg wet <50 50 2-Hexanone ug/kg wet <2500	
2-Hexanone ug/kg wet <2500	
Dibromochloromethane ug/kg wet <100 100 Chlorobenzene ug/kg wet <50	
Chlorobenzene ug/kg wet <50 50 Ethylbenzene ug/kg wet <50	
Ethylbenzene ug/kg wet <50 50 m,p-Xylene ug/kg wet <100	
m,p-Xylene ug/kg wet <100 100 o-Xylene ug/kg wet <50 50	
o-Xylene ug/kg wet <50 50	
,	
Xylenes, total ug/kg wet <150 150	
Styrene ug/kg wet <50 50	
Bromoform ug/kg wet <100 100	
1,1,2,2-Tetrachloroethane ug/kg wet <50 50	
1,2-Dichloroethane-d4 (S)	
Toluene-d8 (S) % 105 76-125	
4-Bromofluorobenzene (S) % 100 71-123	
1,2-Dichlorobenzene-d4 (S)	

LABORATORY CONTROL SAMPLE: T014931-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,1-Dichloroethene	ug/kg wet	1000	828	83	64-156	

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LABORATORY CONTROL SAMPLE: T014931-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/kg wet	1000	903	90	80-120	
Trichloroethene	ug/kg wet	1000	921	92	69-133	
Toluene	ug/kg wet	1000	934	93	80-120	
Chlorobenzene	ug/kg wet	1000	924	92	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	44.8	100	70-133	
Toluene-d8 (S)	%	45.0	47.1	105	76-125	
4-Bromofluorobenzene (S)	%	45.0	46.2	103	71-123	
1,2-Dichlorobenzene-d4 (S)	%	45.0	43.9	98	72-123	

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014933 Analysis Description: Volatiles, Target Compound List

QC Batch Method: EPA 5035 Purge-and-Trap for Solids and Analysis Method: EPA 8260B

METHOD BLANK: T014933-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Chloromethane	ug/kg wet	<250	250	
Vinyl chloride	ug/kg wet	<40	40	
Bromomethane	ug/kg wet	<200	200	
Chloroethane	ug/kg wet	<250	250	
1,1-Dichloroethene	ug/kg wet	<50	50	
Acetone	ug/kg wet	<1000	1000	
Carbon disulfide	ug/kg wet	<250	250	
Methylene chloride	ug/kg wet	<250	250	
1,1-Dichloroethane	ug/kg wet	<50	50	
2-Butanone	ug/kg wet	<750	750	
1,2-Dichloroethene (total)	ug/kg wet	<100	100	
Chloroform	ug/kg wet	<50	50	
1,1,1-Trichloroethane	ug/kg wet	<50	50	
Carbon tetrachloride	ug/kg wet	<50	50	
Benzene	ug/kg wet	<50	50	
1,2-Dichloroethane	ug/kg wet	<50	50	
Trichloroethene	ug/kg wet	<50	50	
1,2-Dichloropropane	ug/kg wet	<50	50	
Bromodichloromethane	ug/kg wet	<100	100	
cis-1,3-Dichloropropene	ug/kg wet	<50	50	
4-Methyl-2-pentanone	ug/kg wet	<2500	2500	
Toluene	ug/kg wet	<100	100	
trans-1,3-Dichloropropene	ug/kg wet	<50	50	
1,1,2-Trichloroethane	ug/kg wet	<50	50	
Tetrachloroethene	ug/kg wet	<50	50	
2-Hexanone	ug/kg wet	<2500	2500	
Dibromochloromethane	ug/kg wet	<100	100	

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METHOD BLANK: T014933-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Chlorobenzene	ug/kg wet	<50	50	
Ethylbenzene	ug/kg wet	<50	50	
m,p-Xylene	ug/kg wet	<100	100	
o-Xylene	ug/kg wet	<50	50	
Xylenes, total	ug/kg wet	<150	150	
Styrene	ug/kg wet	<50	50	
Bromoform	ug/kg wet	<100	100	
1,1,2,2-Tetrachloroethane	ug/kg wet	<50	50	
1,2-Dichloroethane-d4 (S)	%	92	70-133	
Toluene-d8 (S)	%	100	76-125	
4-Bromofluorobenzene (S)	%	94	71-123	
1,2-Dichlorobenzene-d4 (S)	%	99	72-123	

LABORATORY CONTROL SAMPLE: T014933-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,1-Dichloroethene	ug/kg wet	1000	971	97	64-156	
Benzene	ug/kg wet	1000	970	97	80-120	
Trichloroethene	ug/kg wet	1000	976	98	69-133	
Toluene	ug/kg wet	1000	982	98	80-120	
Chlorobenzene	ug/kg wet	1000	995	100	80-120	
1,2-Dichloroethane-d4 (S)	%	30.0	27.1	90	70-133	
Toluene-d8 (S)	%	30.0	30.8	103	76-125	
4-Bromofluorobenzene (S)	%	30.0	29.2	97	71-123	
1,2-Dichlorobenzene-d4 (S)	%	30.0	29.9	100	72-123	

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014833 Analysis Description: Solids, Dry Weight QC Batch Method: % Solids Analysis Method: % Calculation

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014929 Analysis Description: Flash Point (Ignitability)

QC Batch Method: EPA 1010 Analysis Method: EPA 1010

LABORATORY CONTROL SAMPLE: T014929-BS1

Development		Spike	LCS	LCS	% Rec	•••
Parameter	Units	Conc.	Result	% Rec	Limit	Notes

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

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QC Batch: T014856 Analysis Description: Cyanide, Total
QC Batch Method: EPA 9012B Analysis Method: EPA 9012B

METHOD BLANK: T014856-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Cyanide (total)	mg/kg wet	<0.12	0.12	

LABORATORY CONTROL SAMPLE: T014856-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Cyanide (total)	mg/kg wet	4.00	3.58	89	81-111	

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014852 Analysis Description: Halides, Total
QC Batch Method: EPA 9023 Analysis Method: EPA 9023

METHOD BLANK: T014852-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Extractable Organic Halides	mg/kg wet	<50	50	

LABORATORY CONTROL SAMPLE: T014852-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Extractable Organic Halides	mg/kg wet	500	390	78	70-124	

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014841 Analysis Description: Corrosivity (pH for waste), 9040/9045
QC Batch Method: EPA 9045C Analysis Method: EPA 9045C

SAMPLE DUPLICATE: T014841-DUP1 Original: T10B107-01

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Corrosivity-pH	pH Units	7.58	7.58	0	200	

Trace Project ID: T10B107

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014848 Analysis Description: Reactivity - Cyanide
QC Batch Method: EPA Chapter 7.3 Analysis Method: EPA Chapter 7.3



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	T014848-BLK1

Parameter	Units			Blank Result		Reporting Limit					Notes
Cyanide, Reactive	mg/kg wet			<0.50		0.50					
_ABORATORY CONTROL SAMP	LE: T014848-	BS1									
Parameter	Units		Spike Conc.	LCS Result		LCS % Rec		% Rec Limit			Notes
Cyanide, Reactive	mg/kg wet		0.200	<0.50		95		79-116			
LABORATORY CONTROL SAMP	LE: T014848-	BS2									
Parameter	Units		Spike Conc.	LCS Result		LCS % Rec		% Rec Limit			Notes
Cyanide, Reactive	mg/kg wet		0.200	<0.50		100		79-116			
LABORATORY CONTROL SAMP	LE: T014848-	BS3									
Parameter	Units		Spike Conc.	LCS Result		LCS % Rec		% Rec Limit			Notes
Cyanide, Reactive	mg/kg wet		0.200	<0.50		100		79-116			
LABORATORY CONTROL SAMP	LE: T014848-	BS4									
Parameter	Units		Spike Conc.	LCS Result		LCS % Rec		% Rec Limit			Notes
Cyanide, Reactive	mg/kg wet		0.200	<0.50		100		79-116			
MATRIX SPIKE / MATRIX SPIKE	DUDUICATE.	T044040 N	IED4		Original:	T10B107-	01				
Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec	RPD	Max RPD	Notes
Cyanide, Reactive	mg/kg dry	0	2.35	2.11	2.14	90	91	64-129	2	14	
				Project ID: 1 Project ID: L		HS1 Remed	diation / 652	7.40			
QC Batch: T014876 QC Batch Method: EPA Chapter 7.3	.				-	cription: Re	activity - Sul	lfide			

LABORATORY CONTROL SAMPLE: T014876-BS1

Units

mg/kg wet

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes

Blank

Result

<5.0

Reporting

Limit

5.0

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Parameter

Sulfide, Reactive

Notes



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LABORATORY CONTROL SAMPLE: T014876-BS1

	Orio	rinal Snike	MS	MCD MC M	MSD 0/ Date	Max
MATRIX SPIKE / MATRIX	SPIKE DUPLICATE: T0148	876-MSD1		Original: T10B107-01		
Sulfide, Reactive	mg/kg wet	25.0	31.4	125	74-126	
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
LABORATORY CONTRO	L SAMPLE: T014876-BS4					
Sulfide, Reactive	mg/kg wet	25.0	25.1	100	74-126	
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
LABORATORY CONTRO	L SAMPLE: T014876-BS3					
Sulfide, Reactive	mg/kg wet	25.0	25.9	104	74-126	
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
LABORATORY CONTRO	L SAMPLE: T014876-BS2					
Sulfide, Reactive	mg/kg wet	25.0	28.8	115	74-126	
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
					0/ 5	

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Sulfide, Reactive	mg/kg dry	2.76	29.3	31.5	33.3	98	104	52-115	6	27	

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Report ID: T10B107 FINAL 02 19 10 1645

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	TRACE NO.	DATE	TIME	METALS FIELD FILTERED	CLIENT SAMP	PLE ID		MATRIX	NUMBER OF CONTAINERS	/1	2)/\	ot/	or of the state of	og C	of Co	et lut		EIRL X	ON TOP	REM	IARKS		Possible Health Hazard
ses	01	2/9/10	1500	M	WIGHS1 -10-15-	COMPOSIT	E	5	3			X	/	X	X	×		A					
rvic	02	1 1 1	1500	Na	W19HS1 -10-15 -			5	4								K	K					
S IE	03	2/9/10	1515	MA	Wi9HS(- 10-16			5	2	X	X												
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In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

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SAMPLE LOG IN CHECKLIST

Date: 2/10/10 Client Name:	KMT	# of Coolers:
Trace ID#: 7108107 Project Name:	MW19	#8./ Cooler #s:
Logged in by:	11023	Cooler #s:
C	ooler Receip	t
Trace co	ourier	
. Cooler/samples delivered by: Hand delivered	vered N	ame of delivery person:
Commercial co	ourier 🔀	UPS DHL FED EX US Mail
Did cooler come with a bill of lading?	No	Not Applicable
	Yes 🔀	Way Bill or Tracking #:
COC Seals present and intact on cooler? No Yes	Not Ap	pplicable
Custody seals signed by Client? No	Client custo	ody seal # (if applicable):
Yes		
Coolan	t and Tempe	
Type of Coolant Used		r Temperature Correction Factor°C
Yes No		Date: 43
Slurry w/ crushed, cubed, or chip ice?		Temperature Blank: °C
Multiple bags of ice around samples?		Range of 3 samples: 1,8-4,4 °C
Ice Packs/ Blue Ice :		Melt Water: °C
No Coolant Present:	Ice sti	ill present upon receipt: Yes No
	General	
All bottles arrived unbroken with labels in Each sample point is in a sea	good condition? lled plastic bag?	
All bottle labels agree with Chain of 0	Capatri Capatri	
Sufficient sample to run to		
pH checked and sample		
Correct preservative add	ded to samples?	
DRO/GRO samples received and appropriate check in for		
COC filled out properly and s	igned by client?	
COC signed in by TRACE sar		
Was project manager called and samp	ples discussed?	
Contact:		Date:
Notes:		

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February 19, 2010

Ms. Jennifer Overvoorde RMT, Inc. 2025 E. Beltline Ave. SE Suite 402 Grand Rapids, MI 49546

Phone: (616) 975-5415 Fax: (616) 975-1098

RE: Trace Project T10B127

Client Project LEC MW19HS1 Remediation / 6527.40

Dear Ms. Overvoorde:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink Project Manager

Enclosures





phonefax

phone 231.773.5998 toll-free 800.733.5998 231.773.6537

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SAMPLE SUMMARY

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T10B127-01	SS-Sub Slab Fill-1-Composite	Soil	sp	02/11/10 13:00	02/12/10 10:31
T10B127-02	SS-Sub Slab Fill-1-Grab	Soil	sp	02/11/10 13:00	02/12/10 10:31
T10B127-03	SS-Sub Slab Fill-2-Composite	Soil	sp	02/11/10 14:20	02/12/10 10:31
T10B127-04	SS-Sub Slab Fill-2-Grab	Soil	sp	02/11/10 14:20	02/12/10 10:31
T10B127-05	SS-Sub Slab Fill-3-Composite	Soil	sp	02/11/10 14:45	02/12/10 10:31
T10B127-06	SS-Sub Slab Fill-3-Grab	Soil	sp	02/11/10 14:45	02/12/10 10:31
T10B127-07	SS-Sub Slab Fill4	Soil	sp	02/11/10 12:30	02/12/10 10:31
T10B127-08	SS-Sub Slab Fill-5	Soil	sp	02/11/10 12:40	02/12/10 10:31
T10B127-09	SS-Sub Slab Fill-6	Soil	sp	02/11/10 12:45	02/12/10 10:31
T10B127-10	SS-Sub Slab Fill-7	Soil	sp	02/11/10 12:50	02/12/10 10:31
T10B127-11	SS-Sub Slab Fill-8	Soil	sp	02/11/10 13:25	02/12/10 10:31
T10B127-12	SS-Sub Slab Fill-9	Soil	sp	02/11/10 13:30	02/12/10 10:31
T10B127-13	SS-Sub Slab Fill-10	Soil	sp	02/11/10 13:35	02/12/10 10:31
T10B127-14	SS-Sub Slab Fill-11	Soil	sp	02/11/10 13:40	02/12/10 10:31
T10B127-15	SS-Sub Slab Fill-12	Soil	sp	02/11/10 13:45	02/12/10 10:31
T10B127-16	SS-Sub Slab Fill-13	Soil	sp	02/11/10 13:50	02/12/10 10:31
T10B127-17	SS-Sub Slab Fill-14	Soil	sp	02/11/10 13:55	02/12/10 10:31
T10B127-18	SS-Sub Slab Fill-15	Soil	sp	02/11/10 14:00	02/12/10 10:31
T10B127-19	SS-Sub Slab Fill-16	Soil	sp	02/11/10 14:05	02/12/10 10:31
T10B127-20	SS-Sub Slab Fill-17	Soil	sp	02/11/10 14:10	02/12/10 10:31
T10B127-21	SS-Sub Slab Fill-18	Soil	sp	02/11/10 14:15	02/12/10 10:31
T10B127-22	SS-Sub Slab Fill-19	Soil	sp	02/11/10 14:30	02/12/10 10:31
T10B127-23	SS-Sub Slab Fill-20	Soil	sp	02/11/10 14:35	02/12/10 10:31
T10B127-24	SS-Sub Slab Fill-21	Soil	sp	02/11/10 14:40	02/12/10 10:31
T10B127-25	Trip Blank	Water	sp	02/02/10	02/12/10 10:31



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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate
RPD Relative Percent Difference

DUP Matrix Duplicate

RDL Reporting Detection Limit
MCL Maximum Contamination Limit
TIC Tentatively Identified Compound

<, ND or U Indicates the compound was analyzed for but not detected

* Indicates a result that exceeds its associated MCL or Surrogate control limits

N Indicates that the compound has not been evaluated by NELAC

NA Indicates that the compound is not available.

DATA QUALIFIERS

Trace ID: T10B127-01	
Flashpoint	Note F-02 : > 200
Trace ID: T10B127-03	
Flashpoint	Note F-02 : > 200
Trace ID: T10B127-05	
Flashpoint	Note F-02 : > 200



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B127-01 SS-Sub Slab Fill-1-Compos	site		Collected: Received:	02/11/10 13:0 02/12/10 10:3		Matrix:	Soil		
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
SEMI-VOLA	ATILE ORGANIC COMPOU	INDS, TCLP								
Analysis Me	thod: EPA 8270C									
Batch: 7	T014873									
Pyridine		<0.40 mg/L	0.40	2	02/15/10	kb	02/16/10	avl		5.0
2-Methylp	henol (o-Cresol)	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		200
3,4-Methy	rlphenol (m,p Cresol)	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		200
Hexachlor	roethane	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		3.0
Nitrobenz	ene	<0.020 mg/L	0.020	2	02/15/10	kb	02/16/10	avl		2.0
Hexachlor	robutadiene	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		0.50
2,4,6-Tricl	hlorophenol	<0.020 mg/L	0.020	2	02/15/10	kb	02/16/10	avl		2.0
2,4,5-Tricl	hlorophenol	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		400
2,4-Dinitro	otoluene	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		0.13
Hexachlor	robenzene	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		0.13
Pentachlo	prophenol	<0.10 mg/L	0.10	2	02/15/10	kb	02/16/10	avl		100
Surrogate	es:									
2-Fluoro	ophenol	35 %	20-53	2	02/15/10	kb	02/16/10	avl		
Phenol-	d5	19 %	11-40	2	02/15/10	kb	02/16/10	avl		
Nitrober	nzene-d5	59 %	36-103	2	02/15/10	kb	02/16/10	avl		
2-Fluoro	obiphenyl	52 %	36-119	2	02/15/10	kb	02/16/10	avl		
2,4,6-Tr	ribromophenol	66 %	30-105	2	02/15/10	kb	02/16/10	avl		
Terpher	nyl-d14	72 %	37-109	2	02/15/10	kb	02/16/10	avl		
PESTICIDE	S/PCBS, TCLP									
Analysis Me	thod: EPA 8081A									
	T014892									
Chlordane		<0.00050 mg/L	0.00050	1	02/16/10	kb	02/17/10	tim		0.030
Endrin		<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		0.020
	HC (Lindane)	<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		0.40
Heptachlo		<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		0.0080
Heptachlo		<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		0.0080
Methoxyc	•	<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		10
Toxaphen		<0.0050 mg/L	0.0050	1	02/16/10	kb	02/17/10	tim		0.50
Surrogate			0.000	•		-		- ***		
_	loro-m-xylene	57 %	38-94	1	02/16/10	kb	02/17/10	tim	N	
	lorobiphenyl	60 %	40-93	1	02/16/10	kb	02/17/10	tim	N	

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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

T10B127-01 02/11/10 13:00 Trace ID: Date Collected: Matrix: Soil Sample ID: SS-Sub Slab Fill-1-Composite Date Received: 02/12/10 10:31 **PARAMETERS RESULTS UNITS** RDL DILUTION **PREPARED** BY ANALYZED BY **NOTES** MCL HERBICIDES, TCLP Analysis Method: EPA 8151A Batch: T014893 2,4-D <0.050 mg/L 0.050 1 02/16/10 kb 02/18/10 tim Ν 10 2,4,5-TP (Silvex) <0.025 mg/L 1 02/16/10 kb 02/18/10 tim Ν 1.0 0.025 Surrogates: 94 % Ν 2,4-Dichlorophenylacetic acid 39-125 02/16/10 kb 02/18/10 tim **METALS, TCLP** Analysis Method: EPA 6010B Batch: T014888 Arsenic <0.30 mg/L 0.30 1 02/15/10 jd 02/17/10 jlm 5.0 02/17/10 Barium <1.0 mg/L 1.0 1 02/15/10 jd jlm 100 02/17/10 Cadmium <0.10 mg/L 02/15/10 jd 1.0 0.10 1 jlm Chromium <0.50 mg/L 0.50 1 02/15/10 jd 02/17/10 jlm 5.0 02/17/10 02/15/10 Copper <0.50 mg/L jd 0.50 1 jlm Lead <0.50 mg/L 0.50 1 02/15/10 jd 02/17/10 jlm 5.0 02/17/10 <0.50 mg/L 02/15/10 jd Nickel ilm 0.50 1 02/17/10 Selenium <0.60 mg/L 1 02/15/10 jd jlm 1.0 0.60 <0.10 mg/L 02/15/10 jd 02/17/10 ilm 5.0 Silver 0.10 02/15/10 02/17/10 Zinc <0.50 mg/L jd jlm 0.50 Analysis Method: EPA 7470A Batch: T014870 <0.010 mg/L 02/15/10 jd 02/15/10 jlm 0.20 Mercury 0.010 WET CHEMISTRY Analysis Method: % Calculation Batch: T014884 % Solids 95 % by Wt. 02/15/10 rbp 02/15/10 rbp Ν 0.10 Analysis Method: EPA 1010 Batch: T014929 Flashpoint > 200 °F 02/17/10 02/17/10 sm

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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B127-01 Sample ID: SS-Sub Slab Fill-1-Composite				Date Collected: Date Received:		02/11/10 13:00 02/12/10 10:31		Soil	il	
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEM	ISTRY									
Analysis Met	thod: EPA 9012B									
Batch: T	T014856									
Cyanide (t	otal)	<0.12 mg/kg dry	0.12	1	02/12/10	sm	02/12/10	sm	N	
Analysis Met	thod: EPA 9045C									
Batch: T	T014904									
Corrosivit	у-рН	8.47 pH Units		1	02/16/10	bd	02/17/10	bd	N	
Analysis Met	thod: EPA Chapter 7.3									
Batch: T	014875									
Cyanide, F	Reactive	<0.50 mg/kg dry	0.50	1	02/15/10	sm	02/16/10	sm		
Sulfide, Re	eactive	<5.0 mg/kg dry	5.0	1	02/15/10	da	02/16/10	bd	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

T10B127-02 Date Collected: 02/11/10 13:00 Trace ID: Matrix: Soil Sample ID: SS-Sub Slab Fill-1-Grab Date Received: 02/12/10 10:31 **PARAMETERS RESULTS UNITS** RDL DILUTION **PREPARED** BY ANALYZED BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS, TCLP** Analysis Method: EPA 8260B Batch: T014910 Vinyl chloride <0.050 mg/L 0.050 50 02/16/10 jp 02/16/10 jp 0.20 1,1-Dichloroethene <0.050 mg/L 50 02/16/10 jp 02/16/10 jp 0.70 0.050 2-Butanone <0.25 mg/L 50 02/16/10 jp 02/16/10 jp 200 0.25 Chloroform <0.050 mg/L 0.050 50 02/16/10 jp 02/16/10 jp 6.0 <0.050 mg/L 50 02/16/10 02/16/10 0.50 Carbon tetrachloride jp jр 0.050 <0.050 mg/L 50 02/16/10 02/16/10 0.50 Benzene 0.050 jp jр 50 02/16/10 <0.050 mg/L 02/16/10 0.50 1,2-Dichloroethane 0.050 jp jр Trichloroethene <0.050 mg/L 50 02/16/10 02/16/10 0.50 0.050 jp jр <0.050 mg/L 50 02/16/10 02/16/10 0.70 Tetrachloroethene 0.050 jp jр 100 Chlorobenzene <0.050 mg/L 50 02/16/10 02/16/10 0.050 jр jр 02/16/10 02/16/10 <0.050 mg/L 50 7.5 1,4-Dichlorobenzene jp jр 0.050 Surrogates: 99 % 1,2-Dichloroethane-d4 70-133 50 02/16/10 02/16/10 jp jр 104 % 76-125 Toluene-d8 50 02/16/10 jp 02/16/10 jp 107 % 4-Bromofluorobenzene 72-123 50 02/16/10 jp 02/16/10 jp 96 % 1,2-Dichlorobenzene-d4 71-123 50 02/16/10 jp 02/16/10 jp

WET CHEMISTRY

Analysis Method: % Calculation

Batch: T014884

% Solids 95 % by Wt. 0.10 1 02/15/10 rbp 02/15/10 rbp N



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B127-03 SS-Sub Slab Fill-2-Compos	site		Collected: Received:	02/11/10 14:2 02/12/10 10:3		Matrix:	Soil		
PARAMETEI	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
SEMI-VOLA	ATILE ORGANIC COMPOU	INDS, TCLP								
Analysis Me	ethod: EPA 8270C									
Batch:	T014873									
Pyridine		<0.40 mg/L	0.40	2	02/15/10	kb	02/16/10	avl		5.0
2-Methylp	ohenol (o-Cresol)	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		200
3,4-Methy	ylphenol (m,p Cresol)	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		200
Hexachlo	roethane	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		3.0
Nitrobenz	zene	<0.020 mg/L	0.020	2	02/15/10	kb	02/16/10	avl		2.0
Hexachlo	robutadiene	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		0.50
2,4,6-Tric	chlorophenol	<0.020 mg/L	0.020	2	02/15/10	kb	02/16/10	avl		2.0
2,4,5-Tric	chlorophenol	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		400
2,4-Dinitro	otoluene	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		0.13
Hexachlo	robenzene	<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		0.13
Pentachlo	orophenol	<0.10 mg/L	0.10	2	02/15/10	kb	02/16/10	avl		100
Surrogate	es:									
2-Fluore	ophenol	45 %	20-53	2	02/15/10	kb	02/16/10	avl		
Phenol-	-d5	25 %	11-40	2	02/15/10	kb	02/16/10	avl		
Nitrobe	nzene-d5	79 %	36-103	2	02/15/10	kb	02/16/10	avl		
2-Fluore	obiphenyl	76 %	36-119	2	02/15/10	kb	02/16/10	avl		
2,4,6-Tı	ribromophenol	84 %	30-105	2	02/15/10	kb	02/16/10	avl		
Terphei	nyl-d14	94 %	37-109	2	02/15/10	kb	02/16/10	avl		
PESTICIDE	S/PCBS, TCLP									
Analysis Me	ethod: EPA 8081A									
Batch:	T014892									
Chlordan	e	<0.00050 mg/L	0.00050	1	02/16/10	kb	02/17/10	tim		0.030
Endrin		<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		0.020
gamma-B	BHC (Lindane)	<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		0.40
Heptachlo	or	<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		0.0080
Heptachlo	or epoxide	<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		0.0080
Methoxyo	chlor	<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		10
Toxapher		<0.0050 mg/L	0.0050	1	02/16/10	kb	02/17/10	tim		0.50
Surrogate	es:	57 %							N	
retrach	iloro-m-xylene	37 %	38-94	1	02/16/10	kb	02/17/10	tim	N	

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40-93

02/16/10

kb

Decachlorobiphenyl

Ν

tim

02/17/10



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

T10B127-03 02/11/10 14:20 Trace ID: Date Collected: Matrix: Soil Sample ID: SS-Sub Slab Fill-2-Composite Date Received: 02/12/10 10:31 **PARAMETERS RESULTS UNITS** RDL DILUTION **PREPARED** BY ANALYZED BY **NOTES** MCL HERBICIDES, TCLP Analysis Method: EPA 8151A Batch: T014893 2,4-D <0.050 mg/L 0.050 1 02/16/10 kb 02/18/10 tim Ν 10 2,4,5-TP (Silvex) <0.025 mg/L 1 02/16/10 kb 02/18/10 tim Ν 1.0 0.025 Surrogates: 93 % Ν 2,4-Dichlorophenylacetic acid 39-125 02/16/10 kb 02/18/10 tim **METALS, TCLP** Analysis Method: EPA 6010B Batch: T014888 Arsenic <0.30 mg/L 0.30 1 02/15/10 jd 02/17/10 jlm 5.0 02/17/10 Barium <1.0 mg/L 1.0 1 02/15/10 jd jlm 100 02/17/10 Cadmium <0.10 mg/L 02/15/10 jd 1.0 0.10 1 jlm Chromium <0.50 mg/L 0.50 1 02/15/10 jd 02/17/10 jlm 5.0 02/17/10 02/15/10 Copper <0.50 mg/L jd 0.50 1 jlm Lead <0.50 mg/L 0.50 1 02/15/10 jd 02/17/10 jlm 5.0 02/17/10 <0.50 mg/L 02/15/10 jd Nickel ilm 0.50 1 02/17/10 Selenium <0.60 mg/L 1 02/15/10 jd jlm 1.0 0.60 <0.10 mg/L 02/15/10 jd 02/17/10 ilm 5.0 Silver 0.10 02/15/10 02/17/10 Zinc <0.50 mg/L jd jlm 0.50 Analysis Method: EPA 7470A Batch: T014870 <0.010 mg/L 02/15/10 jd 02/15/10 jlm 0.20 Mercury 0.010 WET CHEMISTRY Analysis Method: % Calculation Batch: T014884 % Solids 93 % by Wt. 02/15/10 rbp 02/15/10 rbp Ν 0.10 Analysis Method: EPA 1010 Batch: T014929 Flashpoint > 200 °F 02/17/10 02/17/10 sm

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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B127-03 Date Collected: 02/11/10 14:20 Matrix: Soil Sample ID: SS-Sub Slab Fill-2-Composite Date Received: 02/12/10 10:31 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **WET CHEMISTRY** Analysis Method: EPA 9012B Batch: T014856 Cyanide (total) <0.12 mg/kg dry 0.12 02/12/10 sm 02/12/10 Ν Analysis Method: EPA 9045C Batch: T014904 Corrosivity-pH 8.59 pH Units 02/16/10 bd 02/17/10 Ν Analysis Method: EPA Chapter 7.3 Batch: T014875 Cyanide, Reactive <0.50 mg/kg dry 02/15/10 02/16/10 0.50 1 sm sm <5.4 mg/kg dry Sulfide, Reactive 1 02/15/10 da 02/16/10 bd 5.4 Ν



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

T10B127-04 Date Collected: 02/11/10 14:20 Trace ID: Matrix: Soil Sample ID: SS-Sub Slab Fill-2-Grab Date Received: 02/12/10 10:31 **PARAMETERS RESULTS UNITS** RDL DILUTION **PREPARED** BY ANALYZED BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS, TCLP** Analysis Method: EPA 8260B Batch: T014910 Vinyl chloride <0.050 mg/L 0.050 50 02/16/10 jp 02/16/10 jp 0.20 1,1-Dichloroethene <0.050 mg/L 50 02/16/10 jp 02/16/10 jp 0.70 0.050 2-Butanone <0.25 mg/L 50 02/16/10 jp 02/16/10 jp 200 0.25 Chloroform <0.050 mg/L 0.050 50 02/16/10 jp 02/16/10 jp 6.0 <0.050 mg/L 50 02/16/10 02/16/10 0.50 Carbon tetrachloride jp jр 0.050 <0.050 mg/L 50 02/16/10 02/16/10 0.50 Benzene 0.050 jp jр 02/16/10 <0.050 mg/L 50 02/16/10 0.50 1,2-Dichloroethane jp jр 0.050 Trichloroethene <0.050 mg/L 50 02/16/10 02/16/10 0.50 0.050 jp jр <0.050 mg/L 50 02/16/10 02/16/10 0.70 Tetrachloroethene 0.050 jp jр 100 Chlorobenzene <0.050 mg/L 50 02/16/10 02/16/10 0.050 jр jр 02/16/10 02/16/10 <0.050 mg/L 50 7.5 1,4-Dichlorobenzene jp jр 0.050 Surrogates: 99 % 1,2-Dichloroethane-d4 70-133 50 02/16/10 02/16/10 jp jр 104 % 76-125 Toluene-d8 50 02/16/10 jp 02/16/10 jp 102 % 4-Bromofluorobenzene 72-123 50 02/16/10 jp 02/16/10 jp 94 % 1,2-Dichlorobenzene-d4 71-123 50 02/16/10 jp 02/16/10 jp **WET CHEMISTRY**

Analysis Method: % Calculation

Batch: T014884

% Solids 92 % by Wt. 0.10 1 02/15/10 rbp 02/15/10 rbp N



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B127-05 Sample ID: SS-Sub Slab Fill-3-Composite PARAMETERS RESULTS		site	Date Collected: Date Received:		02/11/10 14:45 02/12/10 10:31		Matrix: Soil			
		RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
SEMI-VOLA	TILE ORGANIC COMPOU	INDS, TCLP								
Analysis Me	thod: EPA 8270C									
Batch: 1	Г014873									
Pyridine		<0.40 mg/L	0.40	2	02/15/10	kb	02/16/10	avl		5.0
2-Methylphenol (o-Cresol)		<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		200
3,4-Methylphenol (m,p Cresol)		<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		200
Hexachloroethane		<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		3.0
Nitrobenzene		<0.020 mg/L	0.020	2	02/15/10	kb	02/16/10	avl		2.0
Hexachlorobutadiene		<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		0.50
2,4,6-Trichlorophenol		<0.020 mg/L	0.020	2	02/15/10	kb	02/16/10	avl		2.0
2,4,5-Trichlorophenol		<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		400
2,4-Dinitrotoluene		<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		0.13
Hexachlorobenzene		<0.050 mg/L	0.050	2	02/15/10	kb	02/16/10	avl		0.13
Pentachlorophenol		<0.10 mg/L	0.10	2	02/15/10	kb	02/16/10	avl		100
Surrogate	es:									
2-Fluoro	phenol	33 %	20-53	2	02/15/10	kb	02/16/10	avl		
Phenol-	d5	18 %	11-40	2	02/15/10	kb	02/16/10	avl		
Nitrober	nzene-d5	61 %	36-103	2	02/15/10	kb	02/16/10	avl		
2-Fluorobiphenyl		56 %	36-119	2	02/15/10	kb	02/16/10	avl		
2,4,6-Tribromophenol		64 %	30-105	2	02/15/10	kb	02/16/10	avl		
Terphenyl-d14		72 %	37-109	2	02/15/10	kb	02/16/10	avl		
PESTICIDE	S/PCBS, TCLP									
Analysis Me	thod: EPA 8081A									
Batch: 1	Γ014892									
Chlordane		<0.00050 mg/L	0.00050	1	02/16/10	kb	02/17/10	tim		0.030
Endrin		<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		0.020
gamma-B	HC (Lindane)	<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		0.40
Heptachlo		<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		0.0080
Heptachlo		<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		0.0080
Methoxychlor		<0.00010 mg/L	0.00010	1	02/16/10	kb	02/17/10	tim		10
Toxaphene		<0.0050 mg/L	0.0050	1	02/16/10	kb	02/17/10	tim		0.50
Surrogate		•								
•	loro-m-xylene	67 %	38-94	1	02/16/10	kb	02/17/10	tim	N	
Decach	lorobiphenyl	73 %	40-93	1	02/16/10	kb	02/17/10	tim	N	

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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

T10B127-05 02/11/10 14:45 Trace ID: Date Collected: Matrix: Soil Sample ID: SS-Sub Slab Fill-3-Composite Date Received: 02/12/10 10:31 **PARAMETERS RESULTS UNITS** RDL DILUTION **PREPARED** BY ANALYZED BY **NOTES** MCL HERBICIDES, TCLP Analysis Method: EPA 8151A Batch: T014893 2,4-D <0.050 mg/L 0.050 1 02/16/10 kb 02/18/10 tim Ν 10 2,4,5-TP (Silvex) <0.025 mg/L 1 02/16/10 kb 02/18/10 tim Ν 1.0 0.025 Surrogates: 97 % Ν 2,4-Dichlorophenylacetic acid 39-125 02/16/10 kb 02/18/10 tim **METALS, TCLP** Analysis Method: EPA 6010B Batch: T014888 Arsenic <0.30 mg/L 0.30 1 02/15/10 jd 02/17/10 jlm 5.0 02/17/10 Barium <1.0 mg/L 1.0 1 02/15/10 jd jlm 100 02/17/10 Cadmium <0.10 mg/L 02/15/10 jd 1.0 0.10 1 jlm Chromium <0.50 mg/L 0.50 1 02/15/10 jd 02/17/10 jlm 5.0 02/17/10 02/15/10 Copper <0.50 mg/L jd 0.50 1 jlm Lead <0.50 mg/L 0.50 1 02/15/10 jd 02/17/10 jlm 5.0 02/17/10 <0.50 mg/L 02/15/10 jd Nickel ilm 0.50 1 02/17/10 Selenium <0.60 mg/L 1 02/15/10 jd jlm 1.0 0.60 <0.10 mg/L 02/15/10 jd 02/17/10 ilm 5.0 Silver 0.10 02/15/10 02/17/10 Zinc <0.50 mg/L jd jlm 0.50 Analysis Method: EPA 7470A Batch: T014870 <0.010 mg/L 02/15/10 jd 02/15/10 jlm 0.20 Mercury 0.010 WET CHEMISTRY Analysis Method: % Calculation Batch: T014882 % Solids 86 % by Wt. 02/15/10 rbp 02/16/10 da Ν 0.10 Analysis Method: EPA 1010 Batch: T014929 Flashpoint > 200 °F 02/17/10 02/17/10 sm 1.0



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<5.9 mg/kg dry

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ANALYTICAL RESULTS

Trace Project ID: T10B127

Sulfide, Reactive

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B127-05 Date Collected: 02/11/10 14:45 Matrix: Soil

Sample ID: SS-Sub Slab Fill-3-Composite Date Received: 02/12/10 10:31 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **WET CHEMISTRY** Analysis Method: EPA 9012B Batch: T014856 Cyanide (total) 0.25 mg/kg dry 0.12 02/12/10 02/12/10 Ν Analysis Method: EPA 9045C Batch: T014904 7.80 pH Units Corrosivity-pH 02/16/10 bd 02/17/10 bd Ν Analysis Method: EPA Chapter 7.3 Batch: T014875 Cyanide, Reactive <0.50 mg/kg dry 02/15/10 02/16/10 0.50 1 sm sm

5.9

1

02/15/10

da

02/16/10

bd

Ν



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

T10B127-06 Date Collected: 02/11/10 14:45 Trace ID: Matrix: Soil Sample ID: SS-Sub Slab Fill-3-Grab Date Received: 02/12/10 10:31 **PARAMETERS RESULTS UNITS** RDL DILUTION **PREPARED** BY ANALYZED BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS, TCLP** Analysis Method: EPA 8260B Batch: T014910 Vinyl chloride <0.050 mg/L 0.050 50 02/16/10 jp 02/16/10 jp 0.20 1,1-Dichloroethene <0.050 mg/L 50 02/16/10 jp 02/16/10 jp 0.70 0.050 2-Butanone <0.25 mg/L 50 02/16/10 jp 02/16/10 jp 200 0.25 Chloroform <0.050 mg/L 0.050 50 02/16/10 jp 02/16/10 jp 6.0 <0.050 mg/L 50 02/16/10 02/16/10 0.50 Carbon tetrachloride jp jр 0.050 <0.050 mg/L 50 02/16/10 02/16/10 0.50 Benzene 0.050 jp jр 02/16/10 <0.050 mg/L 50 02/16/10 0.50 1,2-Dichloroethane jp jр 0.050 Trichloroethene <0.050 mg/L 50 02/16/10 02/16/10 0.50 0.050 jp jр <0.050 mg/L 50 02/16/10 02/16/10 0.70 Tetrachloroethene 0.050 jp jр 100 Chlorobenzene <0.050 mg/L 50 02/16/10 02/16/10 0.050 jр jр 02/16/10 <0.050 mg/L 50 02/16/10 7.5 1,4-Dichlorobenzene jp jр 0.050 Surrogates: 99 % 1,2-Dichloroethane-d4 70-133 50 02/16/10 02/16/10 jp jр 103 % 76-125 Toluene-d8 50 02/16/10 jp 02/16/10 jp 103 % 4-Bromofluorobenzene 72-123 50 02/16/10 jp 02/16/10 jp 94 % 1,2-Dichlorobenzene-d4 71-123 50 02/16/10 jp 02/16/10 jp **WET CHEMISTRY** Analysis Method: % Calculation Batch: T014882

02/15/10

rbp

02/16/10

Ν

da

CERTIFICATE OF ANALYSIS

86 % by Wt.

0.10

% Solids



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:	T10B127-07 SS-Sub Slab Fill4			Collected: Received:	02/11/10 12:3 02/12/10 10:3		Matrix:	Soil		
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUNDS I	BY GC-MS								
Analysis Me	thod: EPA 8015									
Batch:	T014980									
Gasoline	Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/17/10	jp		
Surrogate Fluorob		109 %	80-130	50	02/17/10	jp	02/17/10	jp	N	
WET CHEM	IISTRY									
Analysis Me	thod: % Calculation									
Batch:	T014882									
% Solids		86 % by Wt.	0.10	1	02/15/10	rbp	02/17/10	da	N	
Analysis Me	thod: EPA 9023									
Batch:	T014852									
Extractab	le Organic Halides	<51 mg/kg dry	51	1	02/12/10	rbp	02/12/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:	T10B127-08		Date C	Collected:	02/11/10 12:4	10	Matrix:	Soil		
Sample ID:	SS-Sub Slab Fill-5		Date F	Received:	02/12/10 10:3	31				
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUNDS	BY GC-MS								
Analysis Me	ethod: EPA 8015									
Batch:	T014980									
Gasoline	Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/17/10	jp		
Surrogate Fluorob		104 %	80-130	50	02/17/10	jp	02/17/10	jp	N	
WET CHEM	IISTRY									
Analysis Me	ethod: % Calculation									
Batch:	T014882									
% Solids		96 % by Wt.	0.10	1	02/15/10	rbp	02/16/10	da	N	
Analysis Me	ethod: EPA 9023									
Batch:	T014852									
Extractab	le Organic Halides	<50 mg/kg dry	50	1	02/12/10	rbp	02/12/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B127-09 Sample ID: SS-Sub Slab Fill-6			Collected: Received:	02/11/10 12:4 02/12/10 10:3		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY	GC-MS								
Analysis Method: EPA 8015 Batch: T014980									
Gasoline Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/17/10	jp		
Surrogates: Fluorobenzene	107 %	80-130	50	02/17/10	jp	02/17/10	jp	N	
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014882									
% Solids	95 % by Wt.	0.10	1	02/15/10	rbp	02/16/10	da	N	
Analysis Method: EPA 9023 Batch: T014852									
Extractable Organic Halides	<50 mg/kg dry	50	1	02/12/10	rbp	02/12/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:	T10B127-10 SS-Sub Slab Fill-7			Collected: Received:	02/11/10 12:5 02/12/10 10:3		Matrix:	Soil		
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE (ORGANIC COMPOUNDS I	BY GC-MS								
Analysis Met Batch: T	thod: EPA 8015 - 									
Gasoline F	Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/17/10	jр		
Surrogate Fluorobe		109 %	80-130	50	02/17/10	jp	02/17/10	jp	N	
WET CHEM	ISTRY									
Analysis Met	thod: % Calculation									
% Solids	0 · · · · · · · · · · · · · · · · · · ·	95 % by Wt.	0.10	1	02/15/10	rbp	02/16/10	da	N	
Analysis Met	thod: EPA 9023 - -									
Extractable	e Organic Halides	<50 mg/kg dry	50	1	02/12/10	rbp	02/12/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:	T10B127-11 SS-Sub Slab Fill-8			Collected: Received:	02/11/10 13:2 02/12/10 10:3		Matrix:	Soil		
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUNDS I	BY GC-MS								
Analysis Me	ethod: EPA 8015									
Batch:	T014980									
Gasoline	Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/17/10	jp		
Surrogate Fluorob		107 %	80-130	50	02/17/10	jp	02/17/10	jp	N	
WET CHEM	IISTRY									
Analysis Me	ethod: % Calculation									
Batch:	T014882									
% Solids		95 % by Wt.	0.10	1	02/15/10	rbp	02/16/10	da	N	
Analysis Me	ethod: EPA 9023									
Batch:	T014852									
Extractab	le Organic Halides	<50 mg/kg dry	50	1	02/12/10	rbp	02/12/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B127-12 Date Collected: 02/11/10 13:30 Matrix: Soil Sample ID: SS-Sub Slab Fill-9 Date Received: 02/12/10 10:31 **RESULTS UNITS PARAMETERS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** Analysis Method: EPA 8015 Batch: T014980 Gasoline Range Organics (TPH) <4.0 mg/kg dry 4.0 50 02/17/10 jp 02/17/10 Surrogates: 108 % Ν Fluorobenzene 80-130 02/17/10 jp 02/17/10 **WET CHEMISTRY** Analysis Method: % Calculation Batch: T014882 % Solids 93 % by Wt. 0.10 02/15/10 rbp 02/16/10 Ν Analysis Method: EPA 9023 Batch: T014852 **Extractable Organic Halides** 55 mg/kg dry 02/12/10 02/12/10 rbp rbp Ν



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B127-13 SS-Sub Slab Fill-10			Collected: Received:	02/11/10 13:3 02/12/10 10:3		Matrix: Soil			
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUNDS E	BY GC-MS								
Analysis Me	ethod: EPA 8015									
Batch:	T014980									
Gasoline	Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/17/10	jp		
Surrogate Fluorob		107 %	80-130	50	02/17/10	jp	02/17/10	jp	N	
WET CHEM	IISTRY									
Analysis Me	ethod: % Calculation									
Batch:	T014882									
% Solids		93 % by Wt.	0.10	1	02/15/10	rbp	02/16/10	da	N	
Analysis Me	ethod: EPA 9023									
Batch:	T014852									
Extractab	le Organic Halides	58 mg/kg dry	50	1	02/12/10	rbp	02/12/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:	T10B127-14 SS-Sub Slab Fill-11			Collected: Received:	02/11/10 13:4 02/12/10 10:3		Matrix:	Soil		
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUNDS E	BY GC-MS								
Analysis Me	thod: EPA 8015									
Batch: 1	T014980									
Gasoline I	Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/17/10	jp		
Surrogate Fluorob		103 %	80-130	50	02/17/10	jp	02/17/10	jp	N	
WET CHEM	IISTRY									
Analysis Me	thod: % Calculation									
Batch: 7	T014882									
% Solids		94 % by Wt.	0.10	1	02/15/10	rbp	02/16/10	da	N	
Analysis Me	thod: EPA 9023									
Batch: 7	T014852									
Extractabl	le Organic Halides	<50 mg/kg dry	50	1	02/12/10	rbp	02/12/10	rbp	Ν	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B127-15 Sample ID: SS-Sub Slab Fill-12			Collected: Received:	02/11/10 13:4 02/12/10 10:3		Matrix:	Soil		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS BY	GC-MS								
Analysis Method: EPA 8015 Batch: T014980									
Gasoline Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/17/10	jp		
Surrogates: Fluorobenzene	105 %	80-130	50	02/17/10	jp	02/17/10	jp	N	
WET CHEMISTRY									
Analysis Method: % Calculation									
Batch: T014882									
% Solids	95 % by Wt.	0.10	1	02/15/10	rbp	02/16/10	da	N	
Analysis Method: EPA 9023 Batch: T014852									
Extractable Organic Halides	<50 mg/kg dry	50	1	02/12/10	rbp	02/12/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:	T10B127-16 SS-Sub Slab Fill-13			Collected: Received:	02/11/10 13:5 02/12/10 10:3		Matrix:	Soil		
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUNDS E	BY GC-MS								
Analysis Me	thod: EPA 8015									
Batch:	T014980									
Gasoline	Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/18/10	jp		
Surrogate Fluorob		106 %	80-130	50	02/17/10	jp	02/18/10	jp	N	
WET CHEM	IISTRY									
Analysis Me	thod: % Calculation									
Batch:	T014882									
% Solids		96 % by Wt.	0.10	1	02/15/10	rbp	02/16/10	da	N	
Analysis Me	thod: EPA 9023									
Batch:	T014852									
Extractab	le Organic Halides	<51 mg/kg dry	51	1	02/12/10	rbp	02/12/10	rbp	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:	T10B127-17 SS-Sub Slab Fill-14			Collected:	02/11/10 13:5 02/12/10 10:3		Matrix:	Soil		
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUNDS E	BY GC-MS								
Analysis Me	thod: EPA 8015									
Batch: 7	T014980									
Gasoline I	Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/18/10	jp		
Surrogate Fluorob		104 %	80-130	50	02/17/10	jp	02/18/10	jp	N	
WET CHEM	IISTRY									
Analysis Me	thod: % Calculation									
Batch: 7	T014882									
% Solids		92 % by Wt.	0.10	1	02/15/10	rbp	02/16/10	da	N	
<u>Analysis Me</u>	thod: EPA 9023									
Batch: 1	T014861									
Extractabl	le Organic Halides	<51 mg/kg dry	51	1	02/12/10	bd	02/15/10	bd	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:	T10B127-18 SS-Sub Slab Fill-15			Collected: Received:	02/11/10 14:0 02/12/10 10:3		Matrix:	Soil		
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUNDS E	BY GC-MS								
Analysis Me	thod: EPA 8015									
Batch: 7	T014980									
Gasoline I	Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/18/10	jp		
Surrogate Fluorob		107 %	80-130	50	02/17/10	jp	02/18/10	jp	N	
WET CHEM	IISTRY									
Analysis Me	thod: % Calculation									
Batch: 7	T014882									
% Solids		94 % by Wt.	0.10	1	02/15/10	rbp	02/16/10	da	N	
Analysis Me	thod: EPA 9023									
Batch: 7	T014861									
Extractab	le Organic Halides	58 mg/kg dry	51	1	02/12/10	bd	02/15/10	bd	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:	T10B127-19 SS-Sub Slab Fill-16			Collected: Received:	02/11/10 14:0 02/12/10 10:3		Matrix:	Soil		
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUNDS E	BY GC-MS								
Analysis Me	thod: EPA 8015									
Batch:	T014980									
Gasoline	Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/18/10	jp		
Surrogate Fluorob		105 %	80-130	50	02/17/10	jp	02/18/10	jp	N	
WET CHEM	IISTRY									
Analysis Me	thod: % Calculation									
Batch:	T014882									
% Solids		95 % by Wt.	0.10	1	02/15/10	rbp	02/16/10	da	N	
Analysis Me	thod: EPA 9023									
Batch:	T014861									
Extractab	le Organic Halides	<50 mg/kg dry	50	1	02/12/10	bd	02/15/10	bd	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:	T10B127-20 SS-Sub Slab Fill-17			Collected: Received:	02/11/10 14:1 02/12/10 10:3		Matrix: Soil			
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUNDS E	BY GC-MS								
Analysis Me	thod: EPA 8015									
Batch:	T014980									
Gasoline Range Organics (TPH)		<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/18/10	jp		
Surrogate Fluorob		104 %	80-130	50	02/17/10	jp	02/18/10	jp	N	
WET CHEM	IISTRY									
Analysis Me	thod: % Calculation									
Batch:	T014882									
% Solids		96 % by Wt.	0.10	1	02/15/10	rbp	02/16/10	da	N	
Analysis Me	ethod: EPA 9023									
Batch:	T014861									
Extractab	le Organic Halides	<50 mg/kg dry	50	1	02/12/10	bd	02/15/10	bd	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:	T10B127-21 SS-Sub Slab Fill-18			Collected:	02/11/10 14:1 02/12/10 10:3		Matrix:	Soil		
PARAMETER	es .	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE C	ORGANIC COMPOUNDS E	BY GC-MS								
Analysis Meta Batch: To	hod: EPA 8015 014980									
Gasoline Range Organics (TPH)		<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/18/10	jp		
Surrogates Fluorobe		106 %	80-130	50	02/17/10	jp	02/18/10	jp	N	
WET CHEMI	ISTRY									
	hod: % Calculation									
Batch: To % Solids	014882	93 % by Wt.	0.10	1	02/15/10	rbp	02/16/10	da	N	
Analysis Met	hod: EPA 9023									
	e Organic Halides	<50 mg/kg dry	50	1	02/12/10	bd	02/15/10	bd	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:	T10B127-22 SS-Sub Slab Fill-19		Date Collected: Date Received:		02/11/10 14:3 02/12/10 10:3		Matrix: Soil			
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUNDS E	BY GC-MS								
Analysis Me	ethod: EPA 8015									
Batch: 1	T014980									
Gasoline I	Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/18/10	jp		
Surrogate Fluorob		104 %	80-130	50	02/17/10	jp	02/18/10	jp	N	
WET CHEM	IISTRY									
Analysis Me	ethod: % Calculation									
Batch: 7	T014882									
% Solids		88 % by Wt.	0.10	1	02/15/10	rbp	02/16/10	da	N	
Analysis Me	ethod: EPA 9023									
Batch: 7	T014861									
Extractabl	le Organic Halides	<53 mg/kg dry	53	1	02/12/10	bd	02/15/10	bd	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:	T10B127-23 SS-Sub Slab Fill-20			Collected: Received:	02/11/10 14:3 02/12/10 10:3		Matrix:	Soil		
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUNDS E	BY GC-MS								
Analysis Me	thod: EPA 8015									
Batch:	T014980									
Gasoline Range Organics (TPH)		<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/18/10	jp		
Surrogate Fluorob		108 %	80-130	50	02/17/10	jp	02/18/10	jp	N	
WET CHEM	IISTRY									
Analysis Me	thod: % Calculation									
Batch:	T014882									
% Solids		84 % by Wt.	0.10	1	02/15/10	rbp	02/16/10	da	N	
Analysis Me	ethod: EPA 9023									
Batch:	T014861									
Extractab	Extractable Organic Halides <		58	1	02/12/10	bd	02/15/10	bd	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID:	T10B127-24 SS-Sub Slab Fill-21		Date Collected: Date Received:		02/11/10 14:4 02/12/10 10:3		Matrix: Soil			
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUNDS E	BY GC-MS								
Analysis Me	ethod: EPA 8015									
Batch:	T014980									
Gasoline	Range Organics (TPH)	<4.0 mg/kg dry	4.0	50	02/17/10	jp	02/18/10	jp		
Surrogate Fluorob		107 %	80-130	50	02/17/10	jp	02/18/10	jp	N	
WET CHEM	IISTRY									
Analysis Me	thod: % Calculation									
Batch:	T014882									
% Solids		87 % by Wt.	0.10	1	02/15/10	rbp	02/16/10	da	N	
Analysis Me	ethod: EPA 9023									
Batch:										
Extractab	le Organic Halides	<53 mg/kg dry	53	1	02/12/10	bd	02/15/10	bd	N	



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: Sample ID:	T10B127-25 Trip Blank			Collected: Received:	02/02/10 02/12/10 10:3	1	Matrix:	Water		
PARAMETER	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE (ORGANIC COMPOUND	S BY GC-MS								
Analysis Me	ethod: EPA 8260B									
Batch: 7	T014979									
Dichlorodi	ifluoromethane	<5.0 ug/L	5.0	1	02/18/10	jp	02/18/10	jр		
Chlorome	ethane	<5.0 ug/L	5.0	1	02/18/10	jp	02/18/10	jр		
Vinyl chlo	ride	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jр		
Bromome	ethane	<5.0 ug/L	5.0	1	02/18/10	jp	02/18/10	jp		
Chloroeth	nane	<5.0 ug/L	5.0	1	02/18/10	jp	02/18/10	jp		
Trichlorofl	luoromethane	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
Diethyl eth	her	<10 ug/L	10	1	02/18/10	jp	02/18/10	jр	N	
Tert-butyl	alcohol	<50 ug/L	50	1	02/18/10	jp	02/18/10	jp	N	
1,1-Dichlo	proethene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
Acetone		<50 ug/L	50	1	02/18/10	jp	02/18/10	jр		
lodometha	ane	<1.0 ug/L	1.0	1	02/18/10	jр	02/18/10	jр	N	
Carbon di	isulfide	<5.0 ug/L	5.0	1	02/18/10	jp	02/18/10	jр		
Methyl-ter	rt-butyl ether	<5.0 ug/L	5.0	1	02/18/10	jp	02/18/10	jр		
Methylene	•	<5.0 ug/L	5.0	1	02/18/10	jр	02/18/10	jp		
Acrylonitri		<2.0 ug/L	2.0	1	02/18/10	jр	02/18/10	jр		
•	Dichloroethene	<1.0 ug/L	1.0	1	02/18/10	jр	02/18/10	jp		
1,1-Dichlo		<1.0 ug/L	1.0	1	02/18/10	jр	02/18/10	jр		
Diisoprop		<5.0 ug/L	5.0	1	02/18/10	jp	02/18/10	jp	N	
2-Butanor	-	<25 ug/L	25	1	02/18/10	jp	02/18/10	jp		
	chloroethene	<1.0 ug/L	1.0	1	02/18/10	jр	02/18/10	jp		
t-Butyl Eth		<5.0 ug/L	5.0	1	02/18/10	jр	02/18/10	jp	N	
-	oromethane	<1.0 ug/L	1.0	1	02/18/10	jр	02/18/10	jp		
Tetrahydr		<90 ug/L	90	1	02/18/10	jр	02/18/10	jp	N	
Chloroforr		<1.0 ug/L	1.0	1	02/18/10	jр	02/18/10	jр	.,	
	hloroethane	<1.0 ug/L	1.0	1	02/18/10	jр	02/18/10	jр		
	etrachloride	<1.0 ug/L	1.0	1	02/18/10	jр	02/18/10	jр		
Benzene	tracinonae	<1.0 ug/L	1.0	1	02/18/10	jр	02/18/10	jр		
	ethyl Ether	<5.0 ug/L	5.0	1	02/18/10	jр	02/18/10	jр	N	
1,2-Dichlo	•	<1.0 ug/L	1.0	1	02/18/10	jр	02/18/10	jр	1.4	
Cyclohexa		<5.0 ug/L		1	02/18/10		02/18/10		N	
Trichloroe		<5.0 ug/L <1.0 ug/L	5.0	1	02/18/10	jp in	02/18/10	jp in	1.4	
		·	1.0			jp in		jp in		
	propropane	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp in		
Dibromon		<5.0 ug/L	5.0	1	02/18/10	jp :-	02/18/10	jp :-		
RLOWOGIC	hloromethane	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jр		

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<1.0 ug/L

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1.0

02/18/10

02/18/10

jр

cis-1,3-Dichloropropene



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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Frace ID: T10B127-25 Sample ID: Trip Blank			Collected: Received:	02/02/10 02/12/10 10:3	1	Matrix:	Water		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
VOLATILE ORGANIC COMPOUNDS	BY GC-MS								
4-Methyl-2-pentanone	<50 ug/L	50	1	02/18/10	jp	02/18/10	jp		
Toluene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
trans-1,3-Dichloropropene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
1,1,2-Trichloroethane	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
Tetrachloroethene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
2-Hexanone	<50 ug/L	50	1	02/18/10	jp	02/18/10	jp		
Dibromochloromethane	<5.0 ug/L	5.0	1	02/18/10	jp	02/18/10	jp		
1,2-Dibromoethane (EDB)	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
Chlorobenzene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
1,1,1,2-Tetrachloroethane	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
Ethylbenzene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
m,p-Xylene	<2.0 ug/L	2.0	1	02/18/10	jp	02/18/10	jp	N	
o-Xylene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp	N	
Xylenes, total	<3.0 ug/L	3.0	1	02/18/10	jp	02/18/10	jp	N	
Styrene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
Bromoform	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
Isopropylbenzene	<5.0 ug/L	5.0	1	02/18/10	jp	02/18/10	jp		
1,1,2,2-Tetrachloroethane	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
1,2,3-Trichloropropane	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
trans-1,4-Dichloro-2-butene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
Bromobenzene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
n-Propylbenzene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jр		
1,3,5-Trimethylbenzene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jр		
t-Butyl Benzene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
1,2,4-Trimethylbenzene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
sec-Butylbenzene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jр		
p-Isopropyltoluene	<5.0 ug/L	5.0	1	02/18/10	jp	02/18/10	jр		
1,3-Dichlorobenzene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
1,4-Dichlorobenzene	<1.0 ug/L	1.0	1	02/18/10	jp	02/18/10	jp		
n-Butylbenzene	<1.0 ug/L	1.0	1	02/18/10	jр	02/18/10	jp		
1,2,3-Trimethylbenzene	<1.0 ug/L	1.0	1	02/18/10	jр	02/18/10	jр	N	
1,2-Dichlorobenzene	<1.0 ug/L	1.0	1	02/18/10	jр	02/18/10	jр	-	
1,2-Dibromo-3-chloropropane	<1.0 ug/L	1.0	1	02/18/10	jр	02/18/10	jр		
Hexachloroethane	<5.0 ug/L	5.0	1	02/18/10	jр	02/18/10	jp	N	
1,2,4-Trichlorobenzene	<5.0 ug/L	5.0	1	02/18/10	jр	02/18/10	jр	- •	
Naphthalene	<5.0 ug/L	5.0	1	02/18/10	jр	02/18/10	jр	N	
1,2,3-Trichlorobenzene	<5.0 ug/L	5.0	1	02/18/10	јр	02/18/10	јр	14	

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ANALYTICAL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Trace ID: T10B127-25 Sample ID: Trip Blank		Date Collected: Date Received:		02/02/10 02/12/10 10:31		Matrix: Water			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS	S BY GC-MS								
2-Methylnaphthalene	<5.0 ug/L	5.0	1	02/18/10	jp	02/18/10	jp	N	
Surrogates: 1,2-Dichloroethane-d4	90 %	70-133	1	02/18/10	jp	02/18/10	jp		
Toluene-d8	100 %	76-125	1	02/18/10	jp	02/18/10	jp		
4-Bromofluorobenzene	96 %	71-123	1	02/18/10	jp	02/18/10	jp		
1,2-Dichlorobenzene-d4	100 %	72-123	1	02/18/10	jp	02/18/10	jp		



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QUALITY CONTROL RESULTS

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014865 Analysis Description: TCLP Extraction, SVOC

QC Batch Method: Leaching proceedures Analysis Method: EPA 1311

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014888 Analysis Description: Chromium, TCLP
QC Batch Method: EPA 3015 Microwave Assisted Analysis Method: EPA 6010B

METHOD BLANK: T014888-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Copper	mg/L	<0.50	0.50	
Nickel	mg/L	<0.50	0.50	
Lead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	
Zinc	mg/L	<0.50	0.50	

METHOD BLANK: T014888-BLK2

Parameter	Units	Blank Result	Reporting Limit	Note
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Copper	mg/L	<0.50	0.50	
Nickel	mg/L	<0.50	0.50	
_ead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	
Zinc	mg/L	<0.50	0.50	

METHOD BLANK: T014888-BLK3

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	

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METHOD BLANK: T014888-BLK3

Parameter	Units	Blank Result	Reporting Limit	Notes
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Copper	mg/L	<0.50	0.50	
Nickel	mg/L	<0.50	0.50	
Lead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	
Zinc	mg/L	<0.50	0.50	

LABORATORY CONTROL SAMPLE: T014888-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Silver	mg/L	0.0278	<0.10	92	80-120	
Arsenic	mg/L	0.0556	<0.30	94	80-120	
Barium	mg/L	0.889	<1.0	98	80-120	
Cadmium	mg/L	0.0278	<0.10	98	80-120	
Chromium	mg/L	0.0278	<0.50	96	80-120	
Copper	mg/L	0.889	0.872	98	80-120	
Nickel	mg/L	0.889	0.870	98	80-120	
Lead	mg/L	0.0556	<0.50	102	80-120	
Selenium	mg/L	0.0556	<0.60	83	80-120	
Zinc	mg/L	0.889	0.862	97	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014888-MSD1

Original:	T10B127-01
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Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Silver	mg/L	0	0.250	0.220	0.210	88	84	75-125	5	20	
Arsenic	mg/L	0	0.500	0.461	0.479	92	96	75-125	4	20	
Barium	mg/L	0.0418	8.00	7.63	7.79	95	97	75-125	2	20	
Cadmium	mg/L	0	0.250	0.241	0.240	96	96	75-125	0.08	20	
Chromium	mg/L	0	0.250	0.236	<0.50	94	97	75-125	3	20	
Copper	mg/L	0	8.00	7.54	7.79	94	97	75-125	3	20	
Nickel	mg/L	0	8.00	7.53	7.57	94	95	75-125	0.6	20	
Lead	mg/L	0	0.500	0.491	0.533	98	107	75-125	8	20	
Selenium	mg/L	0	0.500	0.373	<0.60	75	76	75-125	2	20	
Zinc	mg/L	0.102	8.00	7.86	7.77	97	96	75-125	1	20	

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Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014870 Analysis Description: Mercury, TCLP QC Batch Method: EPA 7470A Prep Analysis Method: EPA 7470A METHOD BLANK: T014870-BLK1 Blank Reporting Units Parameter Notes Result Limit <0.010 Mercury mg/L 0.010 METHOD BLANK: T014870-BLK2 Blank Reporting Parameter Units Notes Result Limit Mercury <0.010 0.010 mg/L METHOD BLANK: T014870-BLK3 Blank Reporting Parameter Units Notes Result Limit <0.010 Mercury mg/L 0.010 LABORATORY CONTROL SAMPLE: T014870-BS1 LCS % Rec LCS Spike Parameter Units Notes % Rec I imit Conc. Result 0.00200 103 80-120 Mercury mg/L < 0.010 Original: T10B127-01 MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014870-MSD1 Original Spike MS MSD MSD Max MS % Rec Units **RPD** Notes Parameter RPD Result Conc. Result Result % Rec % Red Limit Mercury mg/L 0 0.0500 0.0520 0.0530 104 106 75-125 20 Trace Project ID: T10B127 Client Project ID: LEC MW19HS1 Remediation / 6527.40 QC Batch: T014864 Analysis Description: TCLP Extraction, Metals

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Analysis Method: EPA 1311

QC Batch: T014866 Analysis Description: TCLP ZHE, Volatiles
QC Batch Method: Leaching proceedures Analysis Method: EPA 1311

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

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QC Batch Method: Leaching proceedures



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QC Batch: T014892 Analysis Description: TCLP Pesticides

QC Batch Method: EPA 3510C Separatory Funnel Analysis Method: EPA 8081A

METHOD BLANK: T014892-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Chlordane	mg/L	<0.00005 0	0.000050	
Endrin	mg/L	<0.00001 0	0.000010	
gamma-BHC (Lindane)	mg/L	<0.00001 0	0.000010	
Heptachlor	mg/L	<0.00001 0	0.000010	
Heptachlor epoxide	mg/L	<0.00001 0	0.000010	
Methoxychlor	mg/L	<0.00001 0	0.000010	
Toxaphene	mg/L	<0.00050	0.00050	
Tetrachloro-m-xylene (S)	%	50	38-94	
Decachlorobiphenyl (S)	%	61	40-93	

LABORATORY CONTROL SAMPLE: T014892-BS1

Parameter	Units	Spike LCS Conc. Result	LCS % Rec	% Rec Limit	Notes
Endrin	mg/L	0.0000500 0.000035 6	71	31-145	
gamma-BHC (Lindane)	mg/L	0.0000500 0.000033 3	67	38-125	
Heptachlor	mg/L	0.0000500 0.000032 7	65	34-124	
Heptachlor epoxide	mg/L	0.0000500 0.000038 9	78	35-125	
Methoxychlor	mg/L	0.0000500 0.000035 4	71	54-109	
Tetrachloro-m-xylene (S)	%	0.000100 0.000064 0	64	38-94	
Decachlorobiphenyl (S)	%	0.000100 0.000066 8	67	40-93	

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014893 Analysis Description: TCLP Herbicides QC Batch Method: EPA 8151 Analysis Method: EPA 8151A

METHOD BLANK: T014893-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
2,4-D	mg/L	<0.0020	0.0020	
2,4,5-TP (Silvex)	mg/L	<0.0010	0.0010	
2,4-Dichlorophenylacetic acid (S)	%	81	39-125	

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LABORATORY CONTROL SAMPLE: T014893-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2,4-D	mg/L	0.00400	0.00354	88	40-129	
2,4,5-TP (Silvex)	mg/L	0.00400	0.00319	80	56-121	
2,4-Dichlorophenylacetic acid (S)	%	0.00800	0.00862	108	39-125	

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014873 Analysis Description: TCLP Semi-Volatiles

QC Batch Method: EPA 3510C Separatory Funnel Analysis Method: EPA 8270C

METHOD BLANK: T014873-BLK1

		Blank	Reporting	
Parameter	Units	Result	Limit	Notes
Pyridine	mg/L	<0.020	0.020	
2-Methylphenol (o-Cresol)	mg/L	<0.0025	0.0025	
3,4-Methylphenol (m,p Cresol)	mg/L	<0.0025	0.0025	
Hexachloroethane	mg/L	<0.0025	0.0025	
Nitrobenzene	mg/L	<0.0010	0.0010	
Hexachlorobutadiene	mg/L	<0.0025	0.0025	
2,4,6-Trichlorophenol	mg/L	<0.0010	0.0010	
2,4,5-Trichlorophenol	mg/L	<0.0025	0.0025	
2,4-Dinitrotoluene	mg/L	<0.0025	0.0025	
Hexachlorobenzene	mg/L	<0.0025	0.0025	
Pentachlorophenol	mg/L	<0.0050	0.0050	
2-Fluorophenol (S)	%	30	20-53	
Phenol-d5 (S)	%	17	11-40	
Nitrobenzene-d5 (S)	%	49	36-103	
2-Fluorobiphenyl (S)	%	43	36-119	
2,4,6-Tribromophenol (S)	%	68	30-105	
Terphenyl-d14 (S)	%	74	37-109	

LABORATORY CONTROL SAMPLE: T014873-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2,4-Dinitrotoluene	mg/L	0.0510	0.0354	69	39-105	
Pentachlorophenol	mg/L	0.103	0.0788	76	38-102	
2-Fluorophenol (S)	%	0.100	0.0415	42	20-53	
Phenol-d5 (S)	%	0.100	0.0254	25	11-40	
Nitrobenzene-d5 (S)	%	0.100	0.0672	67	36-103	
2-Fluorobiphenyl (S)	%	0.100	0.0646	65	36-119	
2,4,6-Tribromophenol (S)	%	0.100	0.0827	83	30-105	
Terphenyl-d14 (S)	%	0.100	0.0867	87	37-109	

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Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014980 Analysis Description: Gasoline Range Organics
QC Batch Method: SW846 5035 Purge-and-Trap for Solids Analysis Method: EPA 8015

METHOD BLANK: T014980-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Gasoline Range Organics (TPH)	mg/kg wet	<4.0	4.0	
Fluorobenzene (S)	%	109	80-130	

METHOD BLANK: T014980-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Gasoline Range Organics (TPH)	mg/kg wet	<4.0	4.0	
Fluorobenzene (S)	%	106	80-130	

LABORATORY CONTROL SAMPLE: T014980-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Gasoline Range Organics (TPH)	mg/kg wet	20.0	22.3	112	80-120	
Fluorobenzene (S)	%	100	107	107	80-130	

LABORATORY CONTROL SAMPLE: T014980-BS2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Gasoline Range Organics (TPH)	mg/kg wet	20.0	21.7	108	80-120	
Fluorobenzene (S)	%	100	105	105	80-130	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014980-MSD1

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: 1014960-MSD1				Oliginai. 110B121-00							
		Original	Spike	MS	MSD	MS	MSD	% Rec	222	Max	Nista
Parameter	Units	Result	Conc.	Result	Result	% Rec	% Rec	Limit	RPD	RPD	Notes
Gasoline Range Organics (TPH)	mg/kg dry	0.719	18.9	21.3	21.0	109	107	80-120	1	20	
Fluorobenzene (S)	%		100	108	108	108	108	80-130			

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014980-MSD2 Original: T10B127-24

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Gasoline Range Organics (TPH)	mg/kg dry	0.719	20.0	21.5	22.2	104	107	80-120	3	20	
Fluorobenzene (S)	%		100	103	105	103	105	80-130			

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Original: T10B127-08

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QC Batch: T014910 Analysis Description: TCLP Volatiles
QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous Analysis Method: EPA 8260B

METHOD BLANK: T014910-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Vinyl chloride	mg/L	<0.0010	0.0010	
1,1-Dichloroethene	mg/L	<0.0010	0.0010	
2-Butanone	mg/L	<0.0050	0.0050	
Chloroform	mg/L	<0.0010	0.0010	
Carbon tetrachloride	mg/L	<0.0010	0.0010	
Benzene	mg/L	<0.0010	0.0010	
1,2-Dichloroethane	mg/L	<0.0010	0.0010	
Trichloroethene	mg/L	<0.0010	0.0010	
Tetrachloroethene	mg/L	<0.0010	0.0010	
Chlorobenzene	mg/L	<0.0010	0.0010	
1,4-Dichlorobenzene	mg/L	<0.0010	0.0010	
1,2-Dichloroethane-d4 (S)	%	97	70-133	
Toluene-d8 (S)	%	103	76-125	
4-Bromofluorobenzene (S)	%	104	72-123	
1,2-Dichlorobenzene-d4 (S)	%	94	71-123	

LABORATORY CONTROL SAMPLE: T014910-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Vinyl chloride	mg/L	0.0200	0.0154	77	47-184	
1,1-Dichloroethene	mg/L	0.0200	0.0164	82	64-156	
2-Butanone	mg/L	0.0200	0.0172	86	70-130	
Chloroform	mg/L	0.0200	0.0187	94	80-120	
Carbon tetrachloride	mg/L	0.0200	0.0196	98	79-141	
Benzene	mg/L	0.0200	0.0185	93	80-120	
1,2-Dichloroethane	mg/L	0.0200	0.0189	95	80-120	
Trichloroethene	mg/L	0.0200	0.0199	100	69-133	
Tetrachloroethene	mg/L	0.0200	0.0182	91	70-120	
Chlorobenzene	mg/L	0.0200	0.0184	92	80-120	
1,4-Dichlorobenzene	mg/L	0.0200	0.0170	85	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	43.8	97	70-133	
Toluene-d8 (S)	%	45.0	46.0	102	76-125	
4-Bromofluorobenzene (S)	%	45.0	46.3	103	72-123	
1,2-Dichlorobenzene-d4 (S)	%	45.0	44.1	98	71-123	

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014979 Analysis Description: Volatiles, Full MDEQ+ List

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous Analysis Method: EPA 8260B

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METHOD BLANK: T014979-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Dichlorodifluoromethane	ug/L	<5.0	5.0	
Chloromethane	ug/L	<5.0	5.0	
Vinyl chloride	ug/L	<1.0	1.0	
Bromomethane	ug/L	<5.0	5.0	
Chloroethane	ug/L	<5.0	5.0	
Trichlorofluoromethane	ug/L	<1.0	1.0	
Diethyl ether	ug/L	<10	10	
Fert-butyl alcohol	ug/L	<50	50	
1,1-Dichloroethene	ug/L	<1.0	1.0	
Acetone	ug/L	<50	50	
odomethane	ug/L	<1.0	1.0	
Carbon disulfide	ug/L	<5.0	5.0	
Methyl-tert-butyl ether	ug/L	<5.0	5.0	
Methylene chloride	ug/L	<5.0	5.0	
Acrylonitrile	ug/L	<2.0	2.0	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	
1,1-Dichloroethane	ug/L	<1.0	1.0	
Diisopropyl Ether	ug/L	<5.0	5.0	
2-Butanone	ug/L	<25	25	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	
-Butyl Ethyl Ether	ug/L	<5.0	5.0	
Bromochloromethane	ug/L	<1.0	1.0	
etrahydrofuran	ug/L	<90	90	
Chloroform	ug/L	<1.0	1.0	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	
Carbon tetrachloride	ug/L	<1.0	1.0	
Benzene	ug/L	<1.0	1.0	
-Amyl Methyl Ether	ug/L	<5.0	5.0	
,2-Dichloroethane	ug/L	<1.0	1.0	
Cyclohexane	ug/L	<5.0	5.0	
Trichloroethene	ug/L	<1.0	1.0	
,2-Dichloropropane	ug/L	<1.0	1.0	
Dibromomethane	ug/L	<5.0	5.0	
Bromodichloromethane	ug/L	<1.0	1.0	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	
I-Methyl-2-pentanone	ug/L	<50	50	
Toluene	ug/L	<1.0	1.0	
rans-1,3-Dichloropropene	ug/L	<1.0	1.0	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	
Tetrachloroethene	ug/L	<1.0	1.0	
2-Hexanone	ug/L	<50	50	
Dibromochloromethane	ug/L	<5.0	5.0	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	
Chlorobenzene	ug/L	<1.0	1.0	
,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	

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METHOD BLANK: T014979-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Ethylbenzene	ug/L	<1.0	1.0	
m,p-Xylene	ug/L	<2.0	2.0	
o-Xylene	ug/L	<1.0	1.0	
Xylenes, total	ug/L	<3.0	3.0	
Styrene	ug/L	<1.0	1.0	
Bromoform	ug/L	<1.0	1.0	
Isopropylbenzene	ug/L	<5.0	5.0	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	
Bromobenzene	ug/L	<1.0	1.0	
n-Propylbenzene	ug/L	<1.0	1.0	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	
t-Butyl Benzene	ug/L	<1.0	1.0	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	
sec-Butylbenzene	ug/L	<1.0	1.0	
p-Isopropyltoluene	ug/L	<5.0	5.0	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	
n-Butylbenzene	ug/L	<1.0	1.0	
1,2,3-Trimethylbenzene	ug/L	<1.0	1.0	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	
Hexachloroethane	ug/L	<5.0	5.0	
1,2,4-Trichlorobenzene	ug/L	<5.0	5.0	
Naphthalene	ug/L	<5.0	5.0	
1,2,3-Trichlorobenzene	ug/L	<5.0	5.0	
2-Methylnaphthalene	ug/L	<5.0	5.0	
1,2-Dichloroethane-d4 (S)	%	90	70-133	
Toluene-d8 (S)	%	100	76-125	
4-Bromofluorobenzene (S)	%	96	71-123	
1,2-Dichlorobenzene-d4 (S)	%	100	72-123	

LABORATORY CONTROL SAMPLE: T014979-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,1-Dichloroethene	ug/L	20.0	19.1	96	64-156	
Benzene	ug/L	20.0	19.9	99	80-120	
Trichloroethene	ug/L	20.0	20.1	100	69-133	
Toluene	ug/L	20.0	19.7	99	80-120	
Chlorobenzene	ug/L	20.0	19.8	99	80-120	
1,2-Dichloroethane-d4 (S)	%	30.0	27.1	90	70-133	
Toluene-d8 (S)	%	30.0	30.0	100	76-125	
4-Bromofluorobenzene (S)	%	30.0	27.9	93	71-123	

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LABORATORY CONTROL SAMPLE: T014979-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,2-Dichlorobenzene-d4 (S)	%	30.0	28.7	96	72-123	

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014882 Analysis Description: Solids, Dry Weight
QC Batch Method: % Solids Analysis Method: % Calculation

SAMPLE DUPLICATE: T014882-DUP1 Original: T10B127-05

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
% Solids	% by Wt.	85.6	86.0	0.5	20	

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014884 Analysis Description: Solids, Dry Weight
QC Batch Method: % Solids Analysis Method: % Calculation

SAMPLE DUPLICATE: T014884-DUP1 Original: T10B127-01

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
% Solids	% by Wt.	95.0	95.1	0.1	20	_

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014929 Analysis Description: Flash Point (Ignitability)
QC Batch Method: EPA 1010 Analysis Method: EPA 1010

LABORATORY CONTROL SAMPLE: T014929-BS1

		Spike LCS	LCS	% Rec	
Parameter	Units	Conc. Resu	It % Rec	Limit	Notes

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014856 Analysis Description: Cyanide, Total
QC Batch Method: EPA 9012B Analysis Method: EPA 9012B

METHOD BLANK: T014856-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Cyanide (total)	ma/kg wet	<0.12	0.12	

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LABORATORY CONTROL SAMPLE: T014856-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Cyanide (total)	mg/kg wet	4.00	3.58	89	81-111	

MATRIX SPIKE / MATRIX SPIKE DUPI ICATE: T014856-MSD1

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: 1014856-MSD1				Original. 1 100127-01							
Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Cvanide (total)	ma/ka dry	0	4.21	4 11	4 10	98	97	61-126	0.7	22	

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

Original: T10B127-01

QC Batch: T014852 Analysis Description: Halides, Total
QC Batch Method: EPA 9023 Analysis Method: EPA 9023

METHOD BLANK: T014852-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Extractable Organic Halides	mg/kg wet	<50	50	

LABORATORY CONTROL SAMPLE: T014852-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Extractable Organic Halides	mg/kg wet	500	390	78	70-124	

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014861 Analysis Description: Halides, Total
QC Batch Method: EPA 9023 Analysis Method: EPA 9023

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014904 Analysis Description: Corrosivity (pH for waste), 9040/9045

QC Batch Method: EPA 9045C Analysis Method: EPA 9045C

SAMPLE DUPLICATE: T014904-DUP1 Original: T10B127-01

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Corrosivity-pH	pH Units	8.47	8.58	1	200	

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014875 Analysis Description: Reactivity - Cyanide
QC Batch Method: EPA Chapter 7.3 Analysis Method: EPA Chapter 7.3

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METHOD	BLANK:	T014875	-BLK1
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Parameter	Units		Blank Result	Reporting Limit		Notes
Cyanide, Reactive	mg/kg wet		<0.50	0.50		
LABORATORY CONTROL	L SAMPLE: T014875-BS1					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Cyanide, Reactive	mg/kg wet	0.200	<0.50	104	79-116	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014875-MSD1 Original: T10B127-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Cyanide, Reactive	mg/kg dry	0	2.08	2.18	2.22	105	107	64-129	2	14	

Trace Project ID: T10B127

Client Project ID: LEC MW19HS1 Remediation / 6527.40

QC Batch: T014877 Analysis Description: Reactivity - Sulfide
QC Batch Method: EPA Chapter 7.3 Analysis Method: EPA Chapter 7.3

METHOD BLANK: T014877-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Sulfide, Reactive	mg/kg wet	<5.0	5.0	

LABORATORY CONTROL SAMPLE: T014877-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Sulfide Reactive	ma/l	0.500	0.422	84	74-126	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T014877-MSD1 Original: T10B127-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Sulfide, Reactive	ma/ka drv	2.93	26.1	26.9	27.3	92	94	52-115	2	27	

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Report ID: T10B127 FINAL 02 19 10 1658

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IE.	Project	# 6527.		USACE 24 Hour (RUSH) Special Requires prior approval									OI = Oil D = Drinking Wason SO = Solid Waste SL = Sludge				er							
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In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

CERTIFICATE OF ANALYSIS

Please Sign

Item

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TIME

In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

DATE

RECEIVED BY

CERTIFICATE OF ANALYSIS

Please Sign

Item #

RELEASED BY

231.773.5998 Tr 800.733.5998 22 231.773.6537 Mu	Trace Analytical Laborat 2241 Black Creek Road Muskegon, MI 49444-267 info@trace-labs.com
^	www.llace-labs.coll

	TF	E The science	of compliance	i.e	phone toll-free fax	231.773.59 800.733.50 231.773.6	998 537	CHAIN-OF Trace Analytical 2241 Black Creek Muskegon, MI 4 www.trace-labs.co	l <i>Labo</i> k Road 9444-2	rator		Inc.	Logge		12:	Pa — (3	_of	3 necked			ACE ID NO. 3/27	<u> </u>
Client Name: BMT TNC. Contact Person: JENNIFER OVERVOORDE Mailing Address: 2025 E. BEGUNE AVE. SE SUME 402 City, State, Zip Code: Grand Rapids MI 49546 Phone: 616 975 5415 Fax: 616 975 1098 Email Address: JENNIFER. OVERVOORDE @ MATING. COM												MERA		equirem	Prese	<u>Turr</u> Sta		l Requi	Core	Low	Level	Lab	Yes No	
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In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

RECEIVED BY

DATE

CERTIFICATE OF ANALYSIS



toll-fi fax

phone 231.773.5998 toll-free 800.733.5998 fax 231.773.6537

Trace Analytical Laboratories, Inc. 2241 Black Creek Road Muskegon, MI 49444-2673 info@trace-labs.com www.trace-labs.com

SAMPLE LOG IN CHECKLIST

Date: 2 1/2 10 Client Name: R/	17 # of Coolers: 2
Trace ID #: 7/03/27 Project Name:	Cooler #s:
Logged in by:	Cooler #s:
doole	r Receipt
Trace courier	
Cooler/samples delivered by: Hand delivered	Name of delivery person:
Commercial courier	UPS DHL FED EX US Mail
Did cooler come with a bill of lading? No	Not Applicable
Yes	Way Bill or Tracking #:
COC Seals present and intact on cooler? No Yes	Not Applicable
Custody seals signed by Client? No 🙀 Yes 🗔	Client custody seal # (if applicable):
Coolant and	d Temperature
Type of Coolant Used	Cooler Temperature Correction Factor .O °C
Yes No	Date: 2 - 12 - 10 Time: 10:31
Slurry w/ crushed, cubed, or chip ice?	Temperature Blank: <u>°C</u>
Multiple bags of ice around samples?	Range of 3 samples: <u>"C</u>
ice Packs/ Blue Ice :	Melt Water: **C
No Coolant Present:	Ice still present upon receipt: Yes No
Ge	neral
	Yes No NA
All bottles arrived unbroken with labels in good of	cooler lid?
Each sample point is in a sealed pla	actio book
Labels filled out co	
All bottle labels agree with Chain of Custod	
Sufficient sample to run tests re	
pH checked and samples at co	rrect pH?
Correct preservative added to	samples?
DRO/GRO samples received and appropriate check in form co	mpleted?
Air bubbles absent fro	
COC signed in htt TRACE complete	
COC signed in by TRACE sample of Was project manager called and samples di	
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Contact:	Date:
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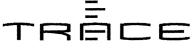
TRACE Analytical Laboratories Inc.

Rev.8 11/21/06

CERTIFICATE OF ANALYSIS

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CONIA



the science of compliance

phone toll-free fax 231.773.5998 800.733.5998 231.773.6537 Trace Analytical Laboratories, Inc. 2241 Black Creek Road
Muskegon, MI 49444-2673
info@trace-labs.com
www.trace-labs.com

January 20, 2010

Ms. Jennifer Overvoorde RMT, Inc. 2025 E. Beltline Ave. SE Suite 402 Grand Rapids, MI 49546

Phone: (616) 975-5415 Fax: (616) 975-1098

RE: Trace ID: T10A153

Dear Ms. Overvoorde:

Enclosed are your analytical results associated with your project for LEC MW19HS1 Remediation / 6527.40.

The results were obtained from EMSL Analytical, Inc..

Thank you for working with Trace. If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink Project Manager

Enclosures





the science of compliance

phone toll-free fax 231.773.5998 800.733.5998 231.773.6537 Trace Analytical Laboratories, Inc. 2241 Black Creek Road Muskegon, MI 49444-2673 info@trace-labs.com www.trace-labs.com



EMSL Analytical, Inc.

212 South Wagner Road, Ann Arbor, MI 48103

Phone: (734) 668-6810 Fax: (734) 668-8532 Email: annarborlab@emsl.com

Attn: Jon Mink

Trace Analytical Laboratories Inc.

Environmental Services 2241 Black Creek Rd.

Muskegon, MI 49444

Fax: (231) 773-6537 Project: T10A153

Phone: (231) 773-5998

EMSL Proj: Analysis Date:

Customer ID:

Customer PO:

EMSL Order:

Received:

1/20/2010

TALI55

081000144

01/20/10 10:00 AM

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
T10A153-001	Bldg 9 Pipe	Gray		65% Non-fibrous (other)	15% Chrysotile
081000144-0001		Fibrous Homogeneous			20% Crocidolite

Analyst(s)

Brian Walczak (1)

B. Waleral

Brian Walczak, Laboratory Manager or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL: Habitity is limited to the cost of analysis. EMSL bears no responsibility for samplet collection calculates or analytical method limitations. Interpretation and use of test results ere use reaponsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. 212 South Wagner Road, Ann ArborMi NVLAP Leb Code 101048-4

Test Report PLM-7.12.0 Printed: 1/20/2010 11:05:15 AM

THIS IS THE LAST PAGE OF THE REPORT.

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Trace Analytical Laboratories, Inc. Report ID: T10A153 FINAL 01 20 10 1216

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CHAIN-OF-CUSTODY RECORD

CERTIFICATE OF ANALYSIS

TRACE ID NO.

This report shall not be reproduced, except in full, without the written consent of Trace Analytical Laboratories, Inc.

Report ID: T10A153 FINAL 01 20 10 1216

91



February 24, 2010

Submitted to:

Mr. James Wright C/o Beacon Industrial Services, LLC. P O Box 8906 Trenton, NJ 08650

Re: Close-out package:

Asbestos Abatement & Related Services LE Carpenter & Company – 170 North Main Street, Wharton, NJ

Dear Mr. Wright:

Pursuant to your requirements, the undersigned is pleased to inform you that all asbestos containing materials as identified have been removed in accordance with applicable federal, state and local regulations. Additionally final air monitoring results indicate levels below the standard and therefore, the space may be re-occupied. The following lists of attached documents are provided for your review and acceptance.

- 1. Invoice
- 2. Proposal Letter
- 3. Asbestos Notification to All Agencies Having Jurisdiction
- 4. NJ DOL Asbestos Contractor License
- 5. Certificate of Insurance
- 6. Air Monitoring Results and Certificate of Completion Letter
- 7. ACM Waste Manifest (will be provided upon receipt)

Thank you again for the opportunity in providing these environmental services to your firm. I look forward in working with you in the near future. Please do not hesitate in contacting me directly at 732-921-4691, if you have any questions.

Very truly yours,

President

. .

Attachments.

Phone: 973-389-0089

Fax: 973-389-1189

City State

Lisbon, OH

Co not use this form for asbestos timensure escrepted activities

CHU

02/01/10

Disposed Date

02/16/10

President

ASQ-41 (FI-80-98)

Completed by

Nikica Mrda

New Casts, DE

City, Shato

p.3

Feb 02 10 08:05a

Lilich Corporation

FE8-01-2010 16:39 From: ASBESTOS 02/01/2010 14:40 FAX

Feb 01 10 02:18p

Beacon Indust. Services

02/01/2010 14:00 FAX

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973-225-0030

p.1 12100: / 103

1-888-881-4434

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p.1

2010

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February 1, 2010

New Jersey Department of Labor Ashestos Control & Liconsing Section 1 John Fitch Pleza, 3rd Floor Trenton, NJ 68625 Attn: Mr. Tom Voorbees

Re:

Emergency Notification of Aubestos Abstern 170 North Main Street, Wherton

Dear Mr. Voorhees:

We are requesting an emergency notification for asbestos abatement at the above referenced property. This is a superfund site. We are in process of demolition/eleanup of the site. During the excevation of ground we encountered approximately 18" dismotor ashestus containing transite pipes in ratious locations in the property. This pipe needs to be properly removed, packaged and disposed of by a New Jersey licensed ashestes confractor in order to continue demolition and cleanup activities.

Liligh Corporation is (License # 00528), is prepared to commence removal packaging and disposal activities on Tuesday February 1, 2010, pending your approval of this emergency notification.

Please do not hesitate to contact me directly at 609-923-3750, with any questions regarding this matter.

Very Truly Yours,

James Wright

PO Box 4900, Trenton, NJ 98550-8906 Phone: 888-671-3939 Fax: 884-881-4434 beacemedustrialiservices.com



21-2010 16:35 From:H58551UX 01/21/2010 16:33 FAX	-			とけさいとというと		*	1 22 5	ar ga re a si			吸作	
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City, State, Zip Code	**************************************	\			City, S	iale, Zip Codo t Peterson, I		eev 0742	4	***		•
Project Manager for Monitoring Firm			Toepho	no No.	Yelopi	hone No. 225-8400		Ucomo 1 00528		***************************************		-
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Beacon Indust, Services

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p.5

p. 1

1-888-881-4434



JAN-21-2010 16:36 From:ASBESTOS

01/21/2010 18:31 FAX

Jan 21 10 04:29p

REMEMBER - MAIL IN HARD COPY

January 21, 2010

New Jersey Department of Labor Asbestos Control & Licensing Section 1 John Fitch Plaza, 3rd Floor Trenton, NJ 08625

Attn: Mr. TomVoorhees

Re: Emergency Notification of Asbestos Abatement:

170 North Main Street, Wharton

Dear Mr. Voorbees:

We are requesting an emergency notification for asbestos abatement at the above referenced property. This is a superfund site. We are in process of demolition/cleanup of the site. During the excavation of ground we encountered approximately 125 LF of 18° diameter asbestos containing transite pipe. This pipe needs to be properly removed, packaged and disposed of by a New Jersey licensed asbestos contractor in order to continue demolition and cleanup activities.

Lilich Corporation is (License # 00528), is prepared to commence removal packaging and disposal activities on Friday January 22, 2010, pending your approval of this emergency notification.

Please do not hesitate to contact me directly at 609-923-3750, with any questions regarding this matter.

Very Truly Yours,

James Wright

PO 8ac 8906, Trantón, NJ 98650-8906 Phone: 888-671-3939 — Fac 856-981-4434 beacontedusatalsorvicas com



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В		GEA X	ERAL LIABILITY	PROP2007983-3	08/23/2009	08/23/2010	EACH OCCURRENCE DAMAGE TO RENTED	s 1,000,000
		^	COMMERCIAL GENERAL LIABILITY				PREMISES (Ea occurence)	100,000
		X	GLAMS MADE X OCCUR ASBESTOS ABATEMENT]	MED EXP (Any one perann)	\$ 10,000 \$ 1,000,000
			SANTENNA LANGE LATTICE CONTINUES IN IT				PERSONAL & ADV INJURY GENERAL AGGREGATE	2,000,000
1		(2E)	PL AGGREGATE LIMIT APPLIES PER:				PRODUCTS COMPOPAGE	2,000,000
		OL.	POLICY X PRO.			1	Treesons to the treeson and treeso	
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			ALL OWNED AUTOS SCHEDULED AUTOS				BODILY BJURY (Per norson)	5
			Mired autos Non-Ovined autos				BODILY INJURY (Per accident)	8
							FROPERTY DAMAGE (Per ecoldent)	5
	Ì	GΑ	RAGE LIABILITY				AUTO ONLY - EA ACCIDENT	
			ANY AUTO				GTHER THAN FA AGC AUTO ONLY; AGE	***************************************
В		exc	EBS/UNDRELLA LIADILITY	PROU11521739	08/23/2009	08/23/2010	EACH OCCURRENCE	\$ 4,000,000
		X	OCCUR CLAIMS MADE				AGGREGATE	5 4,000,000
		X	DEDUCTIBLE			!		
c	-		ACIENTAL!	WC006785495	08/23/2009	08/23/2010	X WC STATU OTHE	.3
~	EMP	LOYE	re' Liabelity				E.L. SACH ACCIDENT	s 1,000,000
	ANY OFF	PROP	RIETOR/PARTNER/EXECUTIVE MENBER EXCLUDED?			1	E.L. DISEASE - EA EMPLOYEE	1,000,000
	li i ves	desc	cibe under PROVISIONS below				E.L. DISEASE - POLICY LIMIT	1,000,000
A	отн	ΞR	sability	D3L-237558	08/05/2008	Until Cancelled	Statutory	
Proj Add	ect: l itiona	.E C	arpenter & Company - 170 No sured: Beacon Industrial Servic	ES / EXCLUSIONS ADDED BY ENDORSEME of h Main Street, Wharton, NJ. es, LLC., LE Carpenter & Compar d written contract, per the terms, co	ny.		l cies listed above.	
C #1	>TIF1	CAT	TE HOLDER	(6, 	CANCELLA	TIÓN	······································	AJ PEOTOU
			Beacon Industrial Services, L P O Box 8906		SHOULD ANY O DATE THEREO HOTICE TO THE	F THE ABOVE DESCRIE F, THE ISSUING INSUR E CERTIFICATE HOLDE	SED POLICIES BE CANCELLED B ER WILL ENDEAVOR TO MAIL R NAMED TO THE LEFT, BUT FA TY OF ANY KIND UPON THE IN	OAYS WRITTER ILURE TO DO SO SHALL
			Trenton,	NJ 08650-	REPRESENTAT AUTHORIZED RE		2621.	
AC	ายก	251	2001/08)	Additional Management of the Control			© ACORD CO	RPORATION 1988

STATE OF NEW JERSEY DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT DIVISION OF PUBLIC SAFETY & OCCUPATIONAL SAFETY & HEALTH ASBESTOS CONTROL AND LICENSING SECTION

ASBESTOS LICENSE

LICENSE NUMBER:

00693

ISSUE DATE:

8/02/09

EXPIRATION DATE:

8/03/10

THIS LICENSE has been issued in accordance with and is subject to the provisions of the Asbestos Control and Licensing Act, N.J.S.A. 34:5A-32 et seq.

EMPLOYER: DIA General Construction

ADDRESS:

1360 Clifton Avenue

PMB Suite 218 Clifton NJ 07012

Type "A" LICENSE to perform any type of asbestos work

RESPONSIBLE PERSON:

Krutarth Jagad, President

This license is VALID ONLY FOR THE EMPLOYER NAMED HEREIN and must be readily available at the work site for inspection. by the Commissioners of Labor & Workforce Development and Health & Senior Services and the contracting agency,

Commissioner

14754

ACL-4 (7-07)

Phone: 973-389-0089

Fax: 973-389-1189



February 24, 2010

Submitted to:

Jun 10 10 11:43a

Mr. James Wright C/o Beacon Industrial Services, LLC. P O Box 8906 Trenton, NJ 08650

Re: Completion of Asbestos Abatement at:

LE Carpenter & Company - 170 North Main Street, Wharton, NJ

Dear Mr. Leahy:

DIA General Construction Inc. completed an asbestos abatement at the above referenced site on January 22, 2010. All asbestos containing materials identified in our proposal dated January 20, 2010, have been removed and disposed as asbestos in accordance with all applicable federal, state and local regulations. The following materials were removed and disposed:

Location	Material	Quantity
Exterior	Transite pipe	125 LF

After the completion of asbestos abatement activities, final air samples were collected and analyzed via Transmission Electron Microscopy and/or Phase Contrast Microscopy. Analytical results of all the samples were below reoccupancy criteria of 70 structures per square millimeter and/or 0.01 fibers per cubic centimeter respectively (as established by EPA, OSHA & State of New Jersey). Based on these results and the visual inspection, the building passes and may be demolished as per EPA NESHAP regulations.

Krutarth Jagad Project Manager

Jan 27 10 12:53p

Beacon Indust. Services

Lilich Corporation

01-26-'10 16:01 FROM-

1-888-881-4434

p.9

973-225-0030

p.2

T-851 F0005/0008 F-157

PHASE CONTRAST MICROSCOPY ANALYTICAL REPORT

		7117	FALICAT HEL	OILI			
Contact: Lilich C	Corporation				Report Na:		2010-21
1					Sampled:		1/22/201
Address: 606 Mo	:Bride Avenus	Job Site	170 N. Main Stree	t	Received:		1/25/201
	erson, NJ 07603		Wharton, NJ		Analyzed:		1/25/201
	25-8400				Reported:		1/26/201
Sample ID	Fibers per	Fibers per	Fibers per	Fibers per		Location	
Lab ID	CC	Field	Filter	MM*		Description	
# 01	< 0.045	< 5.5	< 2, 69 5	× 7	OSHA Sai	•	
						evic SS# 805	
10025-60		100			1	Pump Time	Flow Hate
		-		· · · · · · · · · · · · · · · · · · ·	60	<u> 30</u>	2.0
# 02	< 0.011	< 5.5	< 2,695	< 7	OSHA Sai		
	-					inavic SS# 8	
10025-61		100				Pump Ime	Flow Rate
					240	120	2.0
# 0 3	< 0.022	< 5.5	< 2,695	. <7	OSHA Sar		-
***	{		,			vic SS# 805	
10025-62		100				<u>Pump Time</u>	Firm Bate
					120 Blank	60	2.0
# 04	0.000	0	0	0.00	DIGIN		
			1				
10025-63		100					
# 05	0.000	0	0	0.00	Blank		
10025-64		100					
						F	
	L	ilich Çorporatio	on collected the a	bove sample(s	·).	• • • • • • • • • • • • • • • • • • • •	

Page:	1 of 1

Daniel Hannigues

JS Environmental Laboratories, LLC 2333 Figure 22 West, Union NJ 07083

NY ELAP # 11832 NIOSH PAT # 173498

(908) 206-0073

DAYCO CORPORATION/L.E. CARPENTER AND COMPANY SUPERFUND SITE MW19/HOT SPOT 1 REMEDIATION

DAILY SIGN-IN-SHEET

EMT HEALTH & SOFFTY PLAN AcknowLEDGMENT

DATE	FULL NAME (PRINT)	SIGNATURE	ORGANIZATION	TIME IN	TIME OUT
	FULL NAIVIE (FRINT)		PAT	I-HWIE-HV	FI IIVIE OUT
1/10/10	SCOTT PAWWKIEWICZ	Scort Var library			
1/11/10	Dane MIKEAZIE	(Denikos)	RMT	7:30	
	,				
	AC C 5-115	1-110			
DALL	15 CONTRACTIONS	MOGROCEOGENINT	DACCAS	7:00	ļ
11/10/10		GU, CAN			
1-18-00		Ja-Mills	DALLAS	7:00	
- 200	MEXICAL FUZUSIONS		POPLES	700	
		Jan Ho	Deliver	200	
01-12-10	VOTAMOUN CRUPH	Box qu			
01.79 10	OG HANGUN CROPY	15 of gr			
133	MILIBAY LALEYIC	Bore Mivers			
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27JAN60	Michael A. Mercaso	Missallino	0.3.214		
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		Market Market Control of the Control			
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		**			
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		ARTHUR CONTRACTOR CONT			
	,				
		**************************************			·

	<u> </u>				

RMT, Inc.

Awards This Certificate To

Scott Pawlukiewicz

Name

For Successful Completion of the course

8 Hour HAZWOPER Refresher Training

Course Name

Dec 18, 2009 Date:

Certificate Number: 152010145841133

John D. Munlled

Corporate Health & Safety Manager

Health.Safety.Wellness

RMT, Inc.

Awards This Certificate To

David B. McKenzie

Name

For Successful Completion of the course

8 Hour HAZWOPER Refresher Training

Course Name

Dec 3, 2009

Date:

Certificate Number: 1232009125350943

Justin D. Munklak

Corporate Health & Safety Manager

RMT Health-Safety-Wellness

CENTRAL

01/12/2010 09:11 FAX 9086880601

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PROPERTY OF STREET

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In Accordance With Sederal Colla Regulation 29 CFR 1916.120

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1/8/2018 Issue Date

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CENTRAL 01/12/2010 09:10 FAX 9088689601 Samuel Committee of the Committee of the

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in Accordance with Federal OSEA Regulation 29 CFR 1918.128

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13/2010 Issue Date

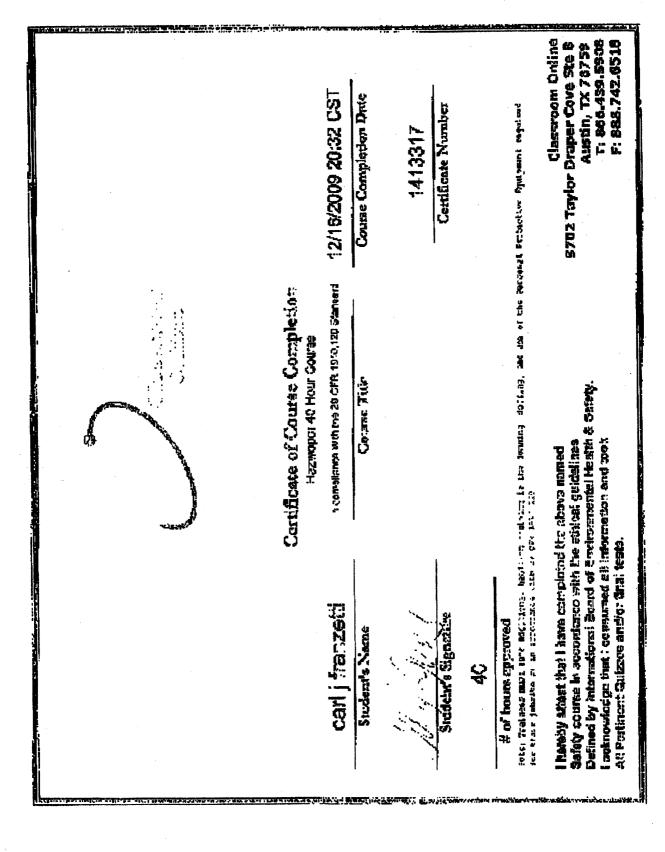
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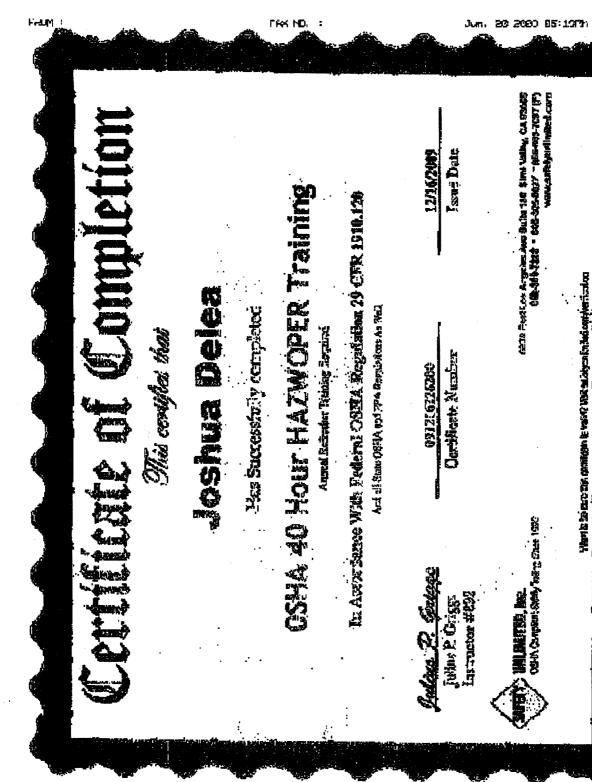
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TOTAL SECTION







U.S. ENVIRONMENTAL PROTECTION AGENCY REGION II OFFICE OF POLICY AND MANAGEMENT

THIS CERTIFIES THAT STEVEN WALL
HAS SATISFACTORILY COMPLETED
8 HR HEALTH AND SAFETY REFRESHER TRAINING
COURSE IN FIELD OPERATIONS
PURSUANT TO EPA ORDER 1440.2 AND 29 CFR 1910.120.

02/5/10

EXPIRATION DATE

Michael Malerey Michael Matarazzo, MH HEALTH AND SAFETY OFFICER



U.S. ENVIRONMENTAL PROTECTION AGENCY REGION II OFFICE OF POLICY AND MANAGEMENT

THIS CERTIFIES THAT STEVEN WALL has been

FIT TESTED AND MAY USE AN EPA ISSUED

AIR PURIFYING RESPIRATOR

1/19/11 EXPIRATION DATE MICHAEL MATARAZZO, CIP HEALTH AND SAFETY OFFICER



U.S. ENVIRONMENTAL PROTECTION AGENCY REGION II OFFICE OF POLICY AND MANAGEMENT

THIS CERTIFIES THAT STEVEN WALL is

ENROLLED IN A MEDICAL MONITORING PROGRAM

PURSUANT TO 29 CFR 1910.120 AND EPA ORDER 1440.2

7/1/10

EXPIRATION DATE

MICHAEL MATARAZZO, CIHA HEALTH AND SAFETY OFFICER



U.S. ENVIRONMENTAL PROTECTION AGENCY REGION II OFFICE OF POLICY AND MANAGEMENT

THIS CERTIFIES THAT MICHAEL A. MERCADO
HAS SATISFACTORILY COMPLETED
8 HR HEALTH AND SAFETY REFRESHER TRAINING
COURSE IN FIELD OPERATIONS
PURSUANT TO EPA ORDER 1440.2 AND 29 CFR 1910.120

02/5/10 EXPIRATION DATE MICHAEL MATARAZZO, CIH HEALTH AND SAFETY OFFICER



U.S. ENVIRONMENTAL PROTECTION AGENCY REGION II OFFICE OF POLICY AND MANAGEMENT

THIS CERTIFIES THAT MICHAEL MERCADO has been

FIT TESTED AND MAY USE AN EPA ISSUED

AIR PURIFYING RESPIRATOR

1/19/11 EXPIRATION DATE MICHAEL MATARAZZO CIH HEALTH AND SAFETY OFFICER



U.S. ENVIRONMENTAL PROTECTION AGENCY REGION II OFFICE OF POLICY AND MANAGEMENT

THIS CERTIFIES THAT MICHAEL MERCADO is

ENROLLED IN A MEDICAL MONITORING PROGRAM

PURSUANT TO 29 CFR 1910.120 AND EPA ORDER 1440.2

6/17/10 EXPIRATION DATE MICHAEL MATARAZZO, OHI HEALTH AND SAFETY OFFICER sRpPrfGTN.rpt

Clean Earth of Southeast Pennsylvania
Profile GTN

Page 1 of 2 3/30/2010 4:15PM

Profile: 103150018 Site ID: 315

Transactions from 03/30/2010 through 03/30/2010

User ID: JSIRAVO

Inbound Tickets Only
Third Party and Intercompany Customers
Sent and Unsent Tickets
Full Details

Ticket	Date	Truck	In / Out	Manifest	Customer		Gross	Tare	Net
103150018 - Dayo	co Corp/L.E.	. Carpenter Sup	erfund Site			Global Job Number: 113760			
315000031442	03/30/10	RAI880	I	27311	EWM426-EWMI		38.88	13.07	25.81
315000031445	03/30/10	RAI881	I	27312	EWM426-EWMI		47.58	13.10	34.48
315000031446	03/30/10	MAR892	I	27313	EWM426-EWMI		48.93	13.30	35.63
315000031452	03/30/10	RAI883	I	27314	EWM426-EWMI		47.60	13.40	34.20
315000031454	03/30/10	RAI888	I	27315	EWM426-EWMI		47.60	13.27	34.33
315000031455	03/30/10	RAI887	I	27316	EWM426-EWMI		46.86	13.33	33.53
315000031456	03/30/10	GRE210	I	27319	EWM426-EWMI		45.67	13.90	31.77
315000031458	03/30/10	GRE205	I	27318	EWM426-EWMI		45.96	13.76	32.20
315000031461	03/30/10	RAI885	I	27321	EWM426-EWMI		47.99	12.84	35.15
315000031462	03/30/10	GRE203	I	27320	EWM426-EWMI		47.30	13.46	33.84
315000031464	03/30/10	RAI71	·I	27324	EWM426-EWMI		47.92	12.99	34.93
315000031467	03/30/10	RAI886	I	27322	EWM426-EWMI		47.78	13.61	34.17
315000031468	03/30/10	RAI91	I	27323	EWM426-EWMI		46.07	13.03	33.04
315000031469	03/30/10	RAI873	I	27326	EWM426-EWMI		48.74	13.40	35.34
315000031472	03/30/10	RAI889	I	27327	EWM426-EWMI		49.49	13.37	36.12
315000031473	03/30/10	NIC207	I	27328	EWM426-EWMI		41.11	13.36	27.75
315000031476	03/30/10	RAI877	I	27329	EWM426-EWMI		40.42	13.03	27.39
315000031477	03/30/10	RAI882	I	27325	EWM426-EWMI		49.96	13.14	36.82
315000031479	03/30/10	RAI862	I	27330	EWM426-EWMI		37.01	13.79	23.22
315000031482	03/30/10	NIC844	I	27331	EWM426-EWMI		37.27	13.03	24.24
315000031483	03/30/10	GRE208	I	27332	EWM426-EWMI		36.59	13.72	22.87
315000031484	03/30/10	NIC825	I	27333	EWM426-EWMI		36.86	12.85	24.01
315000031486	03/30/10	GRE209	I	27317	EWM426-EWMI		43.95	13.72	30.23
315000031488	03/30/10	RAI874	I	27334	EWM426-EWMI		41.43	12.81	28.62

sRpPrfGTN.rpt

Profile: 103150018

Site ID: 315

40 tickets

Clean Earth of Southeast Pennsylvania

Profile GTN

Transactions from 03/30/2010 through 03/30/2010

Inbound Tickets Only

Third Party and Intercompany Customers

Sent and Unsent Tickets Full Details

Page 2 of 2 3/30/2010 4:15PM User ID: JSIRAVO

1,276.31

Ticket	Date	Truck	In / Out	Manifest	Customer		Gross	Tare	Net
103150018 - Day	co Corp/L.E	. Carpenter Sup	erfund Site			Global Job Number: 113760			1
315000031489	03/30/10	RAI805	I	27336	EWM426-EWMI		38.44	13.56	24.88
315000031490	03/30/10	RAI828	I	27335	EWM426-EWMI		39.21	13.22	25.99
315000031491	03/30/10	RAI891	I	27337	EWM426-EWMI		41.27	13.50	27.77
315000031493	03/30/10	RAI872	Ι.	27338	EWM426-EWMI		45.70	13.33	32.37
315000031495	03/30/10	NIC103	I	27339	EWM426-EWMI		47.49	12.35	35.14
315000031497	03/30/10	RAI890	I	27340	EWM426-EWMI		47.85	13.53	34.32
315000031502	03/30/10	RAI871	I	27341	EWM426-EWMI		48.42	13.37	35.05
315000031505	03/30/10	RAI893	I	27342	EWM426-EWMI		47.14	12.69	34.45
315000031509	03/30/10	RAI02	I	27343	EWM426-EWMI		52.82	13.54	39.28
315000031510	03/30/10	NIC870	I	27344	EWM426-EWMI		52.01	13.21	38.80
315000031520	03/30/10	RAI881	Ι	27345	EWM426-EWMI		45.36	13.10	32.26
315000031529	03/30/10	MAR892	I	27347	EWM426-EWMI		43.81	13.30	30.51
315000031530	03/30/10	RAI888	I	27346	EWM426-EWMI		44.82	13.27	31.55
315000031531	03/30/10	RAI885	I	27351	EWM426-EWMI		51.05	12.84	38.21
315000031532	03/30/10	GRE205	I	27349	EWM426-EWMI		49.91	13.76	36.15
315000031533	03/30/10	RAI883	I	27348	EWM426-EWMI		43.29	13.40	29.89
103150018 - Day 40 tickets	co Corp/L.E	. Carpenter Sup	erfund Sit						1,276.31
Report Grand	l Totals							enema	1,276.31

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704 Ticket: 315000031533

Date Time Scale

In: 3/30/2010 16:14:17 Scale 1
Out: 3/30/2010 16:14:41 P.T.

| Lbs Tns | Hanifest: 27348 | Gross: 86580 | 43.29 | Vehicle ID: RAI883 | Tare: 26800 | 13.40 | Act 90 Decal: WH1544 | Net: 59780 | 29.89 | Customer: EWMI

Facility Approval#: 103150018

Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup

Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885

Origin Materials & Services Quantity Unit

Not Applicable Soil Treatment Type IV 29.89 Tns

Storage Area: Area 1 Comment:

Driver:

Facility:

Siravo, Yoseph M

Non Hazardous Manifest/Bill Of Lading

					,
Environmenta & Rapid Respo		n c. Docume	ent # 273	48	
14 Brick Kiln (Northampton, Phone 484-275 Fax 484-275-69	PA 18067 5-6900	Job/Proj	ect #	103802	<u> </u>
THIS SECTION TO	BE COMPLETED BY GEN	LERATOR:	 		
COMPANY NAME/ L.E. Carpent 33587 Walk Avon Lake,	ter & Company S er Road 1	ite Address: 70 N. Main Street Vharton, N.J. 07885	IN CASE OF EMERGENC 24 HOUR EMERGENCY F	PHONE #	Inc.
	· ·			877-460-1038	
QUANTITY	SIZE/TYPE	DESCRIPTIO	DN	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DOT/F	ICRA Non-Regulated	103150018	Est. 22 Tons
		<u> </u>	· · · · · · · · · · · · · · · · · · ·		6
					· · · · · · · · · · · · · · · · · · ·
		·			
		<u></u>			
		Clean Earth PO # 0	1-103902-01		
classified, described, p	the above named waste(s) a packaged, marked, and labeled transportation according to the Fand the EPA.	d and are in PRINT NAME	CHATURE COMPANIES & COMPANIES		DATE 3/36/10
THIS SECTION TO	BE COMPLETED BY HAU	LER / TRANSPORTER:	g rade		
COMPANY NAME		ADDRESS			PHONE NO.
Rainbow Tru	rcking		enis Park Roed num, NJ 07840		973 598 8845
VEHICLE I.D. NO. ALSOSI	i e	BOX NUMBER-IN	BOX NUMBER-OUT	· · · · · · · · · · · · · · · · · · ·	COMMENTS
• •	the above described waste(s)	DRIVER'S SIGNATURE	And have the	and help the	DATE
•	ensportation at the producer's waste facility. Both as listed	PRINT DRIVER'S NAME	35A10W 2	4	3-30-10
92		EIVER AT DISPOSAL FACILITY: (C	ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR
	Earth of Southeast ennsylvania		Steel Road East risville, PA 19067		PHONE NO. 215-428-1700
COMMENTS					
		· · · · · · · · · · · · · · · · · · ·	- A		
• •	e above described wastes were y, that the Facility is authorized we such wastes.	AUTHORIZED SIGNATURE PRINT NAME	///		J. 30.10

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Generator: L.E. Carpenter & Company

Manifest: 27349 Vehicle ID: GRE205 Act 90 Decal: WH7892 Customer: EWMI

Facility Approval#: 103150018

Gross:

Tare:

Nets

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Ticket: 315000031532

Out: 3/30/2010

Date

Lbs

99820

27520

72300

Ins 3/30/2010 16:12:36

T i.me

16:12:56

Tns

49.91

13.76

36.15

Scale

P.T.

Scale 1

Origin Avon Lake, OH 44012
Origin Flaterials &

Gen Address: 33587 Walker Rd.

Materials & Services Quantity Unit

Not Applicable

Soil Treatment Type IV

36.15 Tms

Storage Area: Area 1 Comment:

Drivers

Facility:

Siravo, Joseph M

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:

Environmenta & Rapid Resp 14 Brick Kiln (Northampton, Phone 484-275-6	Court PA 18067 5-6900	Docun	273	103802		
THIS SECTION TO	BE COMPLETED BY (GENERATOR:		,		
COMPANY NAME/ADDRESS L.E. Carpenter & Company 33587 Walker Road Avon Lake, OH. 44012		Site Address: 170 N. Main Street Wharton, NJ 07885	IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. 24 HOUR EMERGENCY PHONE # 877-460-1038			
QUANTITY	SIZE/TYPE	DESCRIPT	ION	APPROVAL	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous Soil, DOT	· · · · · · · · · · · · · · · · · · ·	103150018	Est. 22 Tons	
					To Stark	
		Clean Earth PO#	01-103802-01			
	The second secon			/		
classified, described,	the above named waste(packaged, marked, and lab transportation according to r and the EPA.	peled and are in the applicable PRINT NAME	SIGNATURE WHITE RELECTION AS COMPANY		DATE 3/30/10	
THIS SECTION TO	BE COMPLETED BY H	AULER / TRANSPORTER	eta.			
COMPANY NAME		ADDRESS			PHONE NO.	
Rainbow Tr.	xking		hens Park Road Iown, NJ 07840		973 598 8845	
VEHICLE I.D. NO.	2A NT	BOX NUMBER-IN	BOX NUMBER-OUT	,	COMMENTS	
I Hereby certify that were accepted for tra	the above described waste insportation at the produce waste facility. Both as list	er's ////////////////////////////////////	edica		3-30-ID	
THIS SECTION TO	BE COMPLETED BY RI	ECEIVER AT DISPOSAL FACILITY:		ST BE FORWARDE		
FACILITY NAME	Earth of Southeast	ADDRESS	7 Steel Road East		PHONE NO.	
	ennsylvania		orisville, PA 19067		215-428-1700	
COMMENTS						
* *	e above described wastes w				DATE	
delivered to this Facility, that the Facility is authorize and permitted to receive such wastes.		PRINT NAME			3.30.10	
		Janes State	See 2	1.0		

Ticket: 315000031531 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 16:09:27 Ins 3/30/2010 Scale 1 Morrisville, PA 19067 Outs 3/30/2010 16:09:53 P.T. Fax: (215) 428-1704 Ph: (215) 428-1700 Lbs Tris Manifest: 27351 Gross: 102100 51.05 Vehicle ID: RAI885 Tares 25680 12.84 Act 90 Decal: WH1544 Note 76420 38,21 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Materials & Services Origin Quantity Unit Not Applicable Soil Treatment Type IV 38.21 Ins

Storage Area: Area 1 Comment:

Non Hazardous Manifest/Bill Of Lading

				\$	7 300	5 · •		
All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Docume Job/Proj	A A S	273	103802		
THIS SECTION TO	BE COMP	PLETED BY G	GENERATOR:					
COMPANY NAME/ADDRESS L.E. Carpenter & Company Site Address: 33587 Walker Road 170 N. Main Street Avon Lake, OH. 44012 Wharton, N.J. 076			ed		pid Response,	inc.		
, , , , , , , , , , , , , , , , , , ,	4.				a a			*
QUANTITY	SIZE/	TYPE		DESCRIPTIO	ON É		APPROVAL CODE	WEIGHT/VOLUME
XX1	E	TC	Non-Hazardou	s Soil, DOT/F	ICRA Non-Regula	a te ci	103150018	Est. 22 Tons
	·			<u> </u>			,	
· •		·						
						:		43.55.5
			Clean	Earth PO#0	1-103802-01			1 - 2200
						•		
Hereby certify that lassified, described, proper condition for the egulations of the DOT	packaged, mansportation and the EP	narked, and lab n according to 'A.	eled and are in the applicable	INT NAME	ENATURE COMMON & COM	Anny .		DATE 3/30/10
OMPANY NAME	DE CONT	LETED BY T	ACCEPTATION OF	ADDRESS				PHONE NO.
Rainbow Tru	cking				ens Park Road wn, NJ 07840			973 598 8845
/EHICLE I.D. NO.		STATE	BOX NUMBER-II	V	BOX NUMBER-C	OUT .		COMMENTS
vere accepted for transportation at the producer's		er's		and the same of th			DATE	
ite for delivery to the ereupon.	waste facili	ity. Both as list	ed PRINT DRIVE	ER'S NAME 🙏	vis Zapata	f	*	03.30.10
HIS SECTION TO	BE COMP	LETED BY RE	CEIVER AT DISPOS	SAL FACILITY: (0	ONCE SIGNED, A CO	PY MUS	T BE FORWARDE	D TO EWMI AND GENERATOR
ACILITY NAME Clean Earth of Southeast Pennsylvania			Steel Road East risville, PA 19067	7	Aug.	PHONE NO. 215-428-1700		
COMMENTS								
Hereby certify that the above described wastes were elivered to this Facility, that the Facility is authorized nd permitted to receive such wastes. AUTHORIZED PRINT NAME				1			3. 30.10	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27346 Vehicle ID: RAI888 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Job Address: 170 N. Main St.

Quantity Unit

(ieket: 315000031530

Date

Lbs

89640

26540

63100

Gross:

Facility Approval#: 103150018

Tare:

Met:

In: 3/30/2010 15:41:29

Out: 3/30/2010 15:42:17

Time

Tris

44.82

13.27

31.55

Scale

P.T.

Scale 1

Not Applicable

Origin

Soil Treatment Type IV

Materials & Services

31.55 Tns

Job Name: Dayco Corp/L.E. Carpenter Sup

Wharton, NJ 07885

Storage Areas Area 1 Comment:

Drivers

Facilitys

Sirayo, Joseph M.

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:

Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 4845-766900			Document # 27346					
			Job/Pro	jech#	103802	:		
Fax 484-275-69					; 	-		
	BE COMPLETED BY GI	ENERATOR:				•		
		Site Address: 170 N. Main Street	ì	IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc.				
Avon Lake, (Wharton, NJ 0788	35	24 HOUR EMERGENCY F	8				
QUANTITY	SIZE/TYPE	. [DESCRIPTION	ON N	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT	Non-Hazardous S	oil, DOT/F	ICRA Non-Regulated	103150018	Est. 22 Tons		
				n \$				
) 								
						A Company		
		Clean Ea	rth PO#0	1-103802-01	4	# · · ·		
		·						
	the above named waste(s)	are property	RATOR SISIO	MATURE /		DATE		
			NAME	theil of LE Company Company		3/30/10		
THIS SECTION TO	BE COMPLETED BY HA	NULER / TRANSPORTE	R:	· · · · · · · · · · · · · · · · · · ·	4			
COMPANY NAME			DRESS			PHONE NO.		
Rainbow Tru			ens Park Road rum, NJ 07840		973 598 8845			
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	4	BOX NUMBER-OUT		COMMENTS		
I Hereby certify that the above described waste(s) were accepted for transportation at the producer's		DRIVER'S SIGNATURE				DATE		
hereupon.	waste facility. Both as liste	PRINT DRIVER'S	NAME	o Sipulu	-da	3-30-10		
-3%		:		ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
FACILITY NAME Clean Earth of Southeast Pennsylvania			7 Steel Road East Morrisville, PA 19067			215-428-1700		
COMMENTS					· · · · · · · · · · · · · · · · · · ·			
	above described wastes were	d -	SIGNATURE			3.30.70		
and permitted to receiv	•	PRINT NAME				2. 20.10		
			-	was a second of the second of				

Tickets 315000031529 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 3/30/2010 15:30:01 Scale 1 Ina Morrisville, PA 19067 Out: 3/30/2010 15:30:32 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tns Manifest: 27347 87620 43.81 Grossa Vehicle ID: MAR892 26600 13.30 Tares Act 90 Decal: WH1544 Meta 61020 30.51 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Mame: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Wharton, NJ 07885 Avon Lake, OH 44012 Materials & Services Quantity Unit Origin

30.51 Ths

Soil Treatment Type IV

Not Applicable

Non Hazardous Manifest/Bill Of Lading

			2 40					
Environmental & Rapid Respo			Documer	273	47			
14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Job/Proje		103802			
					<u> </u>			
THIS SECTION TO	BE COMPLETED BY	GENERATOR:						
33587 Walker Road 176		Site Address:		IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc.				
		170 N. Main Stree Wharton, NJ 078	· ·	24 HOUR EMERGENCY PHONE # 877-460-1038				
QUANTITY	SIZE/TYPE		DESCRIPTIO	N P	APPROVAL CODE	WEIGHT/VOLUME		
XX1	ומ	Non-Hazardous	Soil, DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons		
					i de			
\$. 2.			1					
	1.2							
\$100 Sec. 1		Clean E	arth PO#01	-103802-01				
			7)	্রকর্মী বিশ্বনী			
lassified, described, p	the above named waste backaged, marked, and lal ransportation according to and the EPA.	pelled and are in the applicable	TNAME	NATURE WILL RUNN		3/30/10		
HIS SECTION TO	BE COMPLETED BY I	HAULER / TRANSPORT	ΓER:					
COMPANY NAME		A	ADDRESS		, , , , , , , , , , , , , , , , , , , 	PHONE NO.		
Rainbow Tru	cking			ns Park Road wn, NJ 07840		973 598 8845		
FHICLE I.D. NO.	STATE AU891	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS		
- L	he above described wast	r e(s) DRIVER'S SIGN	NATURE	_ _		DATE		
	nsportation at the produc waste facility. Both as lis		'S NAME	echi e	nst Re	3.30-10		
HIS SECTION TO	BE COMPLETED BY R	ECEIVER AT DISPOSA	L FACILITY: (O	NCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR		
ACILITY NAME A Clean Earth of Southeast Pennsylvania			ADDRESS 7 Steel Road East Morrisville, PA 19067			PHONE NO. 215-428-1700		
COMMENTS								
	above described wastes v that the Facility is author		SIGNATURE	A		3.30.10		

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27345 Vehicle ID: RAI881 Act 90 Decal: WH1544 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Date Time In: 3/30/2010 14:54:54

Scale 1 Out: 3/30/2010 14:55:24 P.T.

Lbs Tns 90720 45..36 Grossa Tare: 26200 13, 10 32.26

64520 Net:

Meket: 315000031520

Scale

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Origin Materials & Services Quantity Unit

Not Applicable

Soil Treatment Type IV

32.26 Ths

Storage Area: Area 1 Comment

Drivers

Facility:

Siravo, Joseph M

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:

& Rapid Responder 14 Brick Kiln (Northampton, Phone 484-275-69	Court PA 18067 5-6900	Do	cument # 2/3	103802			
THIS SECTION TO	BE COMPLETED BY GE	ENERATOR:					
33587 Walker Road 17		Site Address: 170 N. Main Street Wharton, NJ 07865	Re	IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. 24 HOUR EMERGENCY PHONE # 877-460-1038			
QUANTITY	SIZE/TYPE	DESCE	RIPTION	APPROVAL			
XX1	DT		OT/RCRA Non-Regulated	103150018	WEIGHT/VOLUME Est. 22 Tons		
<i>\$</i> ₀		:					
			2				
		Clean Earth PC)#01-103802-01				
Section 4	STOREST	ukin perunangan perapunangan menterbitan perunabah Terapunan					
classified, described, j	the above named waste(s) packaged, marked, and label transportation according to the and the EPA.	he applicable PRINT NAME	S SIGNATURES CONSTITUTION ZON BOOK OF LE CO		3/30/10		
	BE COMPLETED BY HA	ULER / TRANSPORTER:	e gation f				
COMPANY NAME Rainbow Tru	ncking		s lephens Park Road altslown, NJ 07840		PHONE NO. 973 598 8845		
AL BOJK	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	+ .	COMMENTS		
were accepted for tra	the above described waste(s insportation at the producer's waste facility. Both as listed		ativo.		J-30-10		
THIS SECTION TO	BE COMPLETED BY REC	CEIVER AT DISPOSAL FACILI	TY: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
FACILITY NAME Clean Earth of Southeast Pennsylvania			S 7 Steel Road East Morrisville, PA 19067		PHONE NO. 215-428-1700		
COMMENTS							
I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes. AUTHORIZED PRINT NAME			IRE /	3.30.10			
. 54	ह _ि ष्ट ।						

Clean Earth of S. Meast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27344 Vehicle ID: NIC870 Act 90 Decal: WH7892

Customer: EWMI

P Company

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

Soil Treatment Type IV

Storage Area: Area 1 Comment:

Driver:

Not Applicable

Origin

Ticket: 315000031510

Date Time Scale
In: 3/30/2010 13:38:02 Scale 1
Out: 3/30/2010 13:39:12 P.T.

Lbs Tns Gross: 104020 52.01 Tare: 26420 13.21 Net: 77600 38.80

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

38.80 Tys

Facility:

Sirivo, Joseph M

Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970		, Inc.	Document # 27344				
		Job/Proj	Job/Project #				
THIS SECTION TO	BE COMPLETED BY G	ENERATOR:					
33587 Walke	er & Company or Road	Site Address: 170 N. Main Street	IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc.				
Avon Lake, (DH. 44 012	Wharton, NJ 07885	24 HOUR EMERGENCY P	877-460-1038	!		
QUANTITY	SIZE/TYPE	DESCRIPTIO	N (A	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT	Non-Hazardous Soil, DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons		
		· · · · · · · · · · · · · · · · · · ·	<u> </u>				
			. ·				
		<u></u>					
		Clean Earth PO#0	1-103802-01				
		_					
classified, described, p	the above named waste(s packaged, marked, and labe ransportation according to and the EPA.	eled and are in the applicable PRINT NAME	INATURE WORK COMPANY COMPANY		3/30/10		
THIS SECTION TO	BE COMPLETED BY HA	AULER / TRANSPORTER:					
COMPANY NAME	·	ADDRESS			PHONE NO.		
Rainbow Tru	cking		ens Park Road wn, NJ 07840		973 598 8845		
VEHICLE I.D. NO. AM 194E	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	:	COMMENTS		
were accepted for tran	ne above described waste(nsportation at the producer waste facility. Both as liste	r's	alesconedo.		DATE ・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・		
THIS SECTION TO I	BE COMPLETED BY RE	ECEIVER AT DISPOSAL FACILITY: (C	ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
	arth of Southeast ennsylvania	•	Steel Road East isville, PA 19067	·	PHONE NO. 215-428-1700		
COMMENTS							
* -	above described wastes we that the Facility is authorized such wastes.				3/30/10		
	(Vec 4)		N. C.		(

Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA_19067
Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27343
Vehicle ID: RAI02
Act 90 Decal: WH1544
Customer: EWMI

Gen Address: 33587 Walker Rd. Avon Lake, OH 44012

Generator: L.E. Carpenter & Company

Materials & Services G

Date Time Scale In: 3/30/2010 13:29:57 Scale 1 Out: 3/30/2010 13:30:39 P.T.

Tns

Gross: 105640 52.82 Tare: 27080 13.54 Net: 78560 39.28

Lbs

~ Ticket: 315000031509

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Quantity Unit

Wharton, NJ 07885

Made Mercal Lange Lange Contain Transferance Trees III

Origin

) (10 Y...

				·		
	lence and Invoices to Il Waste Minimizatio onse, Inc.		Docume	nt# 273	43	
14 Brick Kiln (Northampton,	PA 18067				103802	
Phone 484-275-6			Job/Proje	ect # /		
HIS SECTION TO	BE COMPLETED BY	GENERATOR:		8.		
OMPANY NAME/	ADDRESS			IN CASE OF EMERGENC		
		Site Address: 170 N. Main Stre		·	pid Response,	Inc.
Avon Lake,	OH. 44012	Wharton, NJ 070	885	24 HOUR EMERGENCY P	HONE # 877-460-1038	
				¥,	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
QUANTITY	SIZE/TYPE		DESCRIPTIO	N	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous	Soil, DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons
			· · · · · · · · · · · · · · · · · · ·	-	A STATE OF THE PARTY OF THE PAR	. 16
· · · · · · · · · · · · · · · · · · ·					+-///	h1//
					1001	171/168
					······································	
		-			4 4	
		Clean F	arth PO#01		*.	
						A STATE OF THE STA
Hereby certify that	the above named waste	e(s) are properly	ERATOR'S SIG	NATURE		DATE
and the second s	packaged, marked, and la transportation according t	\) coot (an IT NAME			3/30/10
egulations of the DO				nell of L.E. Compositor & Company		
HIS SECTION TO	BE COMPLETED BY	HAULER / TRANSPORT	TER:			
OMPANY NAME			ADDRESS	*		PHONE NO.
es e	and the off			ens Park Road		973 598 8845
Rainbow Tr			PIECKERISKO	wn, NJ 07840	<u> </u>	() –
EHICLE I.D. NO.	Trod STATE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS
- 689 By	402100	<u> </u>				
	the above described wast		NATURE	houns G &	orras	DATE
	e waste facility. Both as li					03/50/10
ereupon.			4	Mount O	Porras	('
HIS SECTION TO	BE COMPLETED BY F	RECEIVER AT DISPOSA	AL FACILITY: (C	NCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
ACILITY NAME Clean I	Earth of Southeast	,	ADDRESS 75	Steel Road East	Ary.	PHONE NO.
	'ennsylvania		Morr	isville, PA 19067		215-428-1700
OMMENTS	in the bound of the Section seems					-
Hereby certify that the	e above described wastes	AUTHORIZED :	SIGNATURE		<u> </u>	DATE
• •	ty, that the Facility is author				•	3.30.10

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27342 Vehicle ID: RAI893 Act 90 Decal: WH1544 Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Tickets 315000031505

Date Time Scale In: 3/30/2010 13:16:24 Scale 1 Out: 3/30/2010 13:16:48 P.T.

Lbs Tns 47.14 Gross: 94280 12.69 Tare: 25380 34, 45 Met: 68900

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

34,45 Ths

Storage Area: Area 1 Commerct

Driver

Facility:

Document #

27342

All Correspondence and Invoices to: Environmental Waste Minimization, Inc.

& Rapid Responsible 14 Brick Kiln Control Northampton, Phone 484-275-69	Court PA 18067 5-6900		Project #	103802	1.50 (1.70 (
	BE COMPLETED BY G	GENERATOR:			
COMPANY NAME/A LE. Carpent 33587 Water	ter & Company	Site Address: 170 N. Main Street	IN CASE OF EMERGENC	Y OR SPILL CONT. Apid Response,	
Avon Lake, (Wharton, NJ 07885	24 HOUR EMERGENCY F	PHONE # 877-460-1038	
QUANTITY	SIZE/TYPE	DESCRI	PTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DO	T/RCRA Non-Regulated	103150018	Est. 22 Tons
ıę.		9			
					·
			*		
			#		Sec.
		Clean Earth PO	# 01-10 38 02-01		
			30		
classified, described, p	the above named waste(spackaged, marked, and laboransportation according to and the EPA.	eled and are in the applicable PRINT NAME	SIGNATURE CHILDREN CONSTRUCTOR CONSTRUCTO		3/30/10
THIS SECTION TO	BE COMPLETED BY H	AULER / TRANSPORTER:			
COMPANY NAME			ephens Park Road Istown, NJ 07840	- <u> </u>	PHONE NO. 973 598 8845
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
893	W.	BOX NOWBEN-IN	BOX NOIMBER-OUT		COMMENTS
I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed		anny AGUSelo		B-30-10	
THIS SECTION TO	BE COMPLETED BY RE	ECEIVER AT DISPOSAL FACILIT		ST BE FORWARDE	D TO EWMI AND GENERATOR)
	ennsylvania	ADDRESS	7 Steel Road East Morrisville, PA 19067		PHONE NO. 215-428-1700
COMMENTS					124
	e above described wastes way, that the Facility is authorize such wastes.	1			370.10
The state of the s					***

Clean Barth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27341 Vehicle ID: RAI871 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

Not Applicable

Soil Treatment Type IV

Storage Area: Area 1 Comment:

Origin

Ticket: 315000031502

Date Time Scale In: 3/30/2010 12:59:14 Scale 1 Out: 3/30/2010 12:59:50 P.T.

Tns Lbs 48.42 Gross: 96840 Tares 26740 13,37 35.05 Net: 70100

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

35.05 Ths

Facility:

Environmenta & Rapid Resp 14 Brick Kiln Northampton Phone 484-27 Fax 484-275-6	Court , PA 18067 5-6900	n, Inc.	Documer Job/Proje		103802		
33587 Walk	ster & Company	Site Address: 170 N. Main Stree Wharton, NJ 078		IN CASE OF EMERGENCY F	pid Response,	inc.	
QUANTITY	SIZE/TYPE	· · · · · · · · · · · · · · · · · · ·	DESCRIPTION		APPROVAL	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous		CRA Non-Regulated	103150018	Est. 22 Tons	
classified, described,	t the above named waste packaged, marked, and la	e(s) are properly deleted and are in	ERATOR'S SIG	I-103802-01		DATE	
egulations of the DO		South		ual of LE Compensor & Company		3/30//0	
COMPANY NAME		HAULER / TRANSPORT	DDRESS	ins Park Road		PHONE NO. 973 596 8845	
vere accepted for tra	STATE	cer's	IATURE	BOX NUMBER-OUT	WS0	COMMENTS COMMENTS COMMENTS COMMENTS)
THIS SECTION TO	BE COMPLETED BY F	RECEIVER AT DISPOSAI	FACILITY: (O	NCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERA	(TOR)
181	Earth of Southeast Pennsylvania			iteel Road East isville, PA 19067		PHONE NO. 215-428-1700	
	ne above described wastes ity, that the Facility is autho- ive such wastes.	V 19 3 1 27 1	-0-00	200	1	3.30.10	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 273340 Vehicle ID: RAI890 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000031497

Date Time Scale
In: 3/30/2010 12:41:58 Scale 1
Out: 3/30/2010 12:42:30 P.T.

Lbs Tns Gross: 95700 47.85 Tare: 27060 13.53 Net: 68640 34.32

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Origin Materials & Services Quantity Unit

Soil Treatment Type IV

34.32 Ths

Storage Area: Area 1

Comment:

Not Applicable

Driver

Facilitys

Silayo, Joseph M

	4				
	ence and Invoices to Waste Minimization onse, Inc.		Document #	27340	
14 Brick Kiln (Northampton,				103802	
Phone 484-275 Fax 484-275-69	5-6900		Job/Project # /	· · · · · · · · · · · · · · · · · · ·	
·	BE COMPLETED BY	CENEDATOD:	3	· · · · · · · · · · · · · · · · · · ·	
COMPANY NAME/		GENERATOR:	IN CASE OF EME	RGENCY OR SPILL CON	JTACT
	ler & Company	Site Address: 170 N. Main Street	IN OAGE OF LIVE	Rapid Response	
Avon Lake,		Wharton, NJ 07885	24 HOUR EMERG	BENCY PHONE # 877-460-103	18
QUANTITY	SIZE/TYPE	DI	ESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous So	il, DOT/RCRA Non-Regu	. W. C.	Est. 22 Tons
		. 1			
		•		S.	
		,			
	· 22 * 1	Clean Eart	h PO # 01-103802-01		
		A STATE OF THE STA			
assified, described, p	the above named waste packaged, marked, and lal ransportation according to and the EPA.	peled and are in the applicable PRINT	ATOR'S SIGNATURE OF CONCEPCION IAME	Supering 1	DATE 3/30/10
HIS SECTION TO	BE COMPLETED BY	HAULER / TRANSPORTER	t:	ar T	
OMPANY NAME		ADE	DRESS		PHONE NO.
Rainbow Tru	cking		57 Stephens Park Road ackettstown, NJ 07840		973 598 8645
EHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-	OUT	COMMENTS
4M/91	E NJ	:	1		·.
	he above described wast		URE		DATE 20 10
•	nsportation at the produc waste facility. Both as lis		NAME Hector Lo	pera	3.30.10
HIS SECTION TO	BE COMPLETED BY R	ECEIVER AT DISPOSAL F	ACILITY: (ONCE SIGNED, A CO	OPY MUST BE FORWARD	DED TO EWMI AND GENERATOR
ACILITY NAME Clean E	Earth of Southeast ennsylvania	ADE	7 Steel Road East Morrisville, PA 1906		PHONE NO. 215-428-1700
OMMENTS	-	7			
	e above described wastes v y, that the Facility is author we such wastes.		NATUR		DATE

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27339 Vehicle ID: NIC103 Act 90 Decal: WH7892

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd. Avon Lake, OM 44012

Materials & Services

Ticket: 315000031495

Date Time Scale
In: 3/30/2010 12:36:27 Scale 1

P.T.

Out: 3/30/2010 12:37:26

Lbs Tns
Gross: 94980 47.49
Tare: 24700 12.35
Net: 70280 35.14

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup
Job Address: 170 N. Main St.

Wharton, NJ 07885

Quantity Unit

Alman American

Origin

and Transfer Transfer and Transfer

	200		16 (F)		
	Court 1, PA 18067 75-6900			103802	
THIS SECTION T	O BE COMPLETED BY (GENERATOR:			
33587 Wall	nter & Company	Site Address: 170 N. Main Street Wharton, NJ 07885	IN CASE OF EMERGENCY P	pid Response,	inc.
	r			APPROVAL	<u> </u>
QUANTITY	SIZE/TYPE	DESCRIPTI	<u> </u>	CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DOT/	HCKA MON-Kegusæed	103150018	Est. 22 Toris
					9 7.7
· · · · · · · · · · · · · · · · · · ·		<u> </u>		-	<u> </u>
			<u> </u>	<u> </u>	
		•	Here's]	
					A
		Clean Earth PO# (01-103802-01	-	
	<u> </u>				
1				1	The state of the s
lassified, described	at the above named waste, packaged, marked, and late transportation according to DT and the EPA.	beled and are in the applicable PRINT NAME	GINTURE OUT LE Conputer & Company	, 2° f	3/30/10
HIS SECTION TO	O BE COMPLETED BY H	HAULER / TRANSPORTER:		· · · · · · · · · · · · · · · · · · ·	
COMPANY NAME		ADDRESS			PHONE NO.
Rainbow Tr	rucking		nens Park Road own, NJ 07840		973 598 8845
PEHICLE I.D. NO.	P. STATE	BOX NUMBER-IN	BOX NUMBER-OUT	er e mark	COMMENTS
	the above described waste		٠ ١٦٥		DATE
	ransportation at the produc- ne waste facility. Both as lis	ers	2 Russ		07-30-10
HIS SECTION TO	D BE COMPLETED BY R	ECEIVER AT DISPOSAL FACILITY:	ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
	Earth of Southeast Pennsylvania		Steel Road East misuitle, PA 19067		PHONE NO. 215-428-1700
COMMENTS					
	he above described wastes w lity, that the Facility is authori	N.			DATE
nd permitted to rece	•	PRINT NAME	M		3.30.10

Ticket: 315000031493 Clean Earth of Southeast Pennsylvania Time Scale Date 7 Steel Road East Ins 3/30/2010 12:29:13 Scale 1 Morrisville, PA 19067 Outa 3/30/2010 12:30:19 P.T. Fax: (215) 428-1704 Ph: (215) 428-1700 Lbs Tns Manifest: 27338 Grossa 91400 45.70 Vehicle ID: RAI872 Tare: 26660 13.33 32.37 Act 90 Decals WH1544 Mote 64740 Customer: EWMI Facility Approval#: 103150018 Job Name: Dayco Corp/L.E. Carpenter Sup Generator: L.E. Carpenter & Company Job Address: 170 N. Main St. Gen Address: 33587 Walker Rd. Wharton, NJ 07885 Avon Lake, OH 44012 Materials & Services Quantity Unit Origin

32.37 Tns

Soil Treatment Type IV

Not Applicable

Constitute and	benefit *	·	<u> </u>		1824
All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970		■ 1 · · · · · · · · · · · · · · · · · ·		103802	
HIS SECTION TO	BE COMPLETED BY	GENERATOR:			
33587 Walker Road 170 N. Main		Site Address: 170 N. Main Street Wharton, NJ 07885	IN CASE OF EMERGENCY F	apid Response, Inc.	
•				877-460-1038	
QUANTITY	SIZE/TYPE	DESCRIPTI	ON ON	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DOT/	RCRA Non-Regulated	103150018	Est. 22 Tons
.16					
			·		
	· ·				
		Clean Earth PO#	01-103802-01		
		1			The Section of the se
lassified, described, ¡	the above named waste packaged, marked, and late ransportation according to and the EPA.	beled and are in combothe applicable PRINT NAME	IGNATURE CANCELLA COMPANY		3/30/10
HIS SECTION TO	BE COMPLETED BY H	HAULER / TRANSPORTER:		**	
OMPANY NAME		ADDRESS			PHONE NO.
Rainbow Tru	cking		hens Park Road Iown, NJ 07840	The Market Control	973 598 8645
EHICLE I.D. NO.	STATE N.Z.	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
ere accepted for tra	the above described waste nsportation at the product waste facility. Both as lis	sted DDINT DDIVED'S NAME	Taring		DATE 3 3010
ereupon.		<u> </u>	Jose Montin		
		ECEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	
	Earth of Southeast ennsylvania		Steel Road East misville, PA 19067		PHONE NO. 215-428-1700
COMMENTS			1		
	a above described wastes v y, that the Facility is author we such wastes.		L		3.70.10

Ticket: 315000031491 Clean Earth of Southeast Pennsylvania Time Date Scale 7 Steel Road East 12:20:49 Ing -3/30/2010 Scale 1 Morrisville, PA 19067 3/30/2010 12:21:54 P.T. Out: Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tris Manifest: 27337 82540 41.27 Grosse Vehicle ID: RAI891 13.50 Tares 27000 Act 90 Decal: WH1544 55540 27.77 Met: Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Job Address: 170 N. Main St. Gen Address: 33587 Walker Rd. Wharton, NJ 07885 Avon Lake, OH 44012 Origin. Materials & Services Quantity Unit

Smil Tresatment Type IU

Not Opplicable

	Court n, PA 18067 75-6900		Document #	2733	103802		
THIS SECTION T	O BE COMPLETED BY	GENERATOR:		¥			
33597 Well	nter & Company ker Road	Site Address: 170 N. Main Street			d Response,		
Avon Lake,	OH. 44012	Wharton, NJ 07885	24 HOUR EN	MERGENCY PHO 8	ONE # 77-460-1038		
QUANTITY	SIZE/TYPE	DE	SCRIPTION		APPROVAL CODE	WEIGHT/VOLUME	_
XX1	OT	Non-Hazardous So	I, DOT/RCRA Non-R	Regulated 1	103150018	Est. 22 Tons	
		and a			<u> </u>		1
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	# ##			***			· ·
		Clean Earti	PO#01-103802-01				
and the second s				1			
classified, described	at the above named wastel, packaged, marked, and lateral transportation according of and the EPA.	abeled and are in to the applicable	TOR'S SIGNATURE MANE AME Attender on behalf of I.E. Company	or & Company		3/30/10	
THIS SECTION T	Ó BE COMPLETED BY	HAULER / TRANSPORTER		•			
COMPANY NAME		16	RESS 67 Stephens Park Ro ackettatown, NJ 078	ead 140	·	973 598 8845	
VEHICLE I.D. NO.	STATE (BOX NUMBER-IN	BOX NUM	IBER-OUT		COMMENTS	
were accepted for t	t the above described was transportation at the produ ne waste facility. Both as i	cer's	u Dem	CA		DATE	-
THIS SECTION TO	O BE COMPLETED BY	RECEIVER AT DISPOSAL FA	ACILITY: (ONCE SIGNED	, A COPY MUST I	BE FORWARDE	D TO EWMI AND GENERATO	R)
	Earth of Southeast Pennsylvania	ADD	RESS 7 Steel Road I Morrisville, PA			PHONE NO. 215-428-1700	
COMMENTS	r Y						
	he above described wastes lity, that the Facility is autho eive such wastes.		NATURE /			DATES 30.10	
			386	tu.			_

a to the firm

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27335 Vehicle ID: RAI828 Act 90 Decal: WH7892 Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Facility Approval#: 103150018

Grossa

Tare:

Met:

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Ticket: 315000031490

Date

Lbs

78420

26440

51980

In: 3/30/2010 12:18:49

Out: 3/30/2010 12:19:32

Time

Tns

39.21

13,22

25,99

Scale

P.T.

Scale 1

Origin Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

25.99 Tns

Storage Area: Area 1 Comment:

Drivera

Facilitys

Siravo Joseph M

	ence and invoices to: I Waste Minimization, II onse, Inc.	nc. Docum	ent # 273	35			
14 Brick Kiln C Northampton, Phone 484-275 Fax 484-275-69	PA 18067 5-6900	Job/Pro	ject #	103802			
THIS SECTION TO	BE COMPLETED BY GEN	IERATOR:					
		ite Address: 70 N. Main Street	IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc.				
Avon Lake, (Avon Lake, OH. 44012 Wharton, NJ 07885			24 HOUR EMERGENCY PHONE # 877-460-1038			
QUANTITY	SIZE/TYPE	DESCRIPTION	NC	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT I	Non-Hazardous Soil, DOT/I	RCRA Non-Regulated	103150018	Est. 22 Tons		
		,					
			,				
		Clean Earth PO # 0	11-103802-01				
				. The same of the			
classified, described, p	the above named waste(s) a packaged, marked, and labeled ransportation according to the and the EPA.	d and are in COUNT I	GNATURE		3/30/10		
THIS SECTION TO	BE COMPLETED BY HAU	LER / TRANSPORTER:)		
COMPANY NAME		ADDRESS			PHONE NO.		
Rainbow Tru	cking		town, NJ 07840 973 598 8845				
VEHICLE I.D. NO.	M8544 NJ	BOX NUMBER-IN	BOX NUMBER-OUT	1	COMMENTS		
I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon. DRIVER'S SIGNATURE PRINT DRIVER'S NAME			aime Molir	3/30/10 ·			
	BE COMPLETED BY RECE	EIVER AT DISPOSAL FACILITY: (D TO EWMLAND GENERATOR)		
FACILITY NAME		ADDRESS			PHONE NO.		
	Earth of Southeest ennsylvania		Steel Road East Tisville, PA 19067		215-428-1700		
COMMENTS							
	e above described wastes were y, that the Facility is authorized	AUTHORIZED SIGNATURE			3.30.10		
and permitted to receiv		PRINT NAME			7.30,10		
			**		•		

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27336 Vehicle ID: RAI805 Act 90 Decal: WH1544 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000031489

Date Time Scale
In: 3/30/2010 12:15:49 Scale 1
Out: 3/30/2010 12:16:08 P.T.

Lbs Tns Gross: 76880 38.44 Tare: 27120 13.56 Net: 49760 24.88

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

24.88 Ths

Storage Area: Area 1 Comment:

Drivera

Facility:

Sicovo, Joseph M

Environmental & Rapid Respo 14 Brick Kiln C Northampton, I Phone 484-275	ourt PA 18067 -6900		Document # Job/Project #	273	103802	4.8
Fax 484-275-69	70 BE COMPLETED BY GEI	NERATOR:	*			
COMPANY NAME/A LE. Carpento 33587 Walke	DDRESS er & Company S r Road 1	Site Address; 70 N. Main Street	.IN	CASE OF EMERGENC	Y OR SPIEL CONT. Apid Response,	
Avon Lake, C)H. 44012 \	Mharton, NJ 07885	24	HOUR EMERGENCY F	PHONE # 877-460-1038	l .
QUANTITY	SIZE/TYPE	DESC	CRIPTION	<i>(</i> ************************************	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil,	DOT/RCR/	Non-Regulated	103150018	Est. 22 Tons
The state of the s		,				
				ş.		
110						The state of the s
		Clean Earth I	PO#01-10	3802-01		
					*	# 3
classified, described, p	he above named waste(s) ackaged, marked, and labele ansportation according to the and the EPA.	d and are in e applicable PRINT NAM	ИE	LE Company		3/30/10
THIS SECTION TO I	BE COMPLETED BY HAU	JLER / TRANSPORTER:				#1
COMPANY NAME	<u> </u>	ADDRE			· · · · · · · · · · · · · · · · · · ·	PHONE NO.
Rainbow Trus	cking		Stephens I ketistown, i			973 598 8845
VEHICLE I.D. NO.	U NJ	BOX NUMBER-IN R-805	E	BOX NUMBER-OUT		COMMENTS
were accepted for tran	ne above described waste(s) asportation at the producer's waste facility. Both as listed	PRINT DRIVER'S NA		15 7		3-30/10
THIS SECTION TO E	BE COMPLETED BY REC				ST BE FORWARDE	I D TO EWMI AND GENERATOR)
FACILITY NAME Clean E	arth of Southeast ennsylvania	ADDRE	SS 7 Stee	Road East le, PA 19067		PHONE NO. 215-428-1700
COMMENTS		No.			· .	
	above described wastes were that the Facility is authorized such wastes.	1	TURE	£		3.30.10
	<u> </u>	1 ///			<u> </u>	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Ph: (215) 428-1700 Fax: (215) 428

Manifest: 27334 Vehicle ID: RAI874 Act 90 Decal: WH1544 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000031488

Date Time Scale
In: 3/30/2010 12:10:11 Scale 1
Out: 3/30/2010 12:10:28 P.T.

Lbs Tns Gross: 82860 41.43 Tare: 25620 12.81 Net: 57240 28.62

Facility Approval#s 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

Origin Materials & Services

Soil Treatment Type IV

28.62 Ths

Storage Area: Area 1 Comment:

Drivera

Not Applicable

In E.

Facilitys

Siravo, Joseph M

· Just land					e e e e e e e e e e e e e e e e e e e			
All Correspond Environmenta & Rapid Resp	al Waste Mir		Inc.	Docume	ent # 273	34		
14 Brick Kiln	Court					103802		
Northampton Phone 484-27	•			Job/Pro	ect #	·		43
Fax 484-275-6	5970							
HIS SECTION TO	D BE COMPLI	ETED BY GE	NERATOR:			3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
OMPANY NAME L.E. Carper 33587 Was	nter & Com		Site Address: 170 N. Main S	treet	IN CASE OF EMERGENC	Y OR SPILL CONT pid Response,		
Avon Lake,	OH. 4401:	2	Wharton, NJ	07885	24 HOUR EMERGENCY P	HONE # 877-460-103 8	karan da ka Karan da karan da ka	
QUANTITY	SIZE/TY	PE		DESCRIPTION	DN	APPROVAL CODE	WEIGHT/VOLUME	
XX1	DI		Non-Hazardo	us Soil, DOTA	ICRA Non-Regulated	103150018	Est. 22 Tons	
			·					
			 :		 			
			<u> </u>					- - - - -
	· · · · <u>-</u>					 		
			Clea	n Earth PO#0	1-103802-01	 	*	
				`````				
Hereby certify that assified, described, oper condition for gulations of the DC	packaged, mar transportation	ked, and label	ed and are in he applicable	RINT NAME	GNATURE/ CM DRUMA AND OF LE COMMON & COMPANY		DATE 3/30/10	
HIS SECTION TO	D BE COMPLI	ETED BY HA	ULER / TRANSPO	ORTER:				3.3
OMPANY NAME				ADDRESS		."	PHONE NO.	
Rainbow Tr	ucking				ens Park Road wn, NJ 07840		973 598 8845	
HICLE I.D. NO.	श्र पो	STATE	BOX NUMBER	-IN	BOX NUMBER-OUT		COMMENTS	-
XL130	m	いて				· .		
Hereby certify that		,	′ I	GIGNATURE (energy		DATE	
e for delivery to the	•	•		/ER'S NAME			3/30/10	
HIS SECTION TO	BE COMPLE	TED BY REC	CEIVER AT DISPO	OSAL FACILITY: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATO)R)
CILITY NAME	Earth of So Pennsylvan	utheast ia			Steel Road East risville, PA 19057		PHONE NO. 215-428-1700	
OMMENTS					1	:		
lereby certify that the livered to this Facilid	ity, that the Facil	ity is authorize	е	ED SIGNATURE	L		3.30.10	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27317 Vehicle ID: GREPA9 Act 90 Decal: WH12291 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

Soil Treatment Type IV

Storage Area: Area 1 Comment:

Not Applicable

Origin

Ticket: 315000031486

Time Scale Date In: 3/30/2010 12:05:01 Manual W Out: 3/30/2010 12:05:19 P.T.

Lbs Tns 87900 43.95 Gross: 27440 13.72 Tares

Net: 30.23 60460

Facility Approval#: 103150018 Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Wharton, NJ 07885

Quantity Unit

30.23 Tns

Facilitys

All Correspond	ence and invoices to: I Waste Minimization onse, inc. Court PA 18067 5-6900	n, Inc. Docum	ent # 273	17 GR	ling
	BE COMPLETED BY (GENERATOR:	· · · · · · · · · · · · · · · · · · ·		
LE. Carpen 33587 Walk Avon Lake	ter & Company er Road	Site Address: 170 N. Main Street Wharton, NJ 07685	IN CASE OF EMERGENCY Ra	pid Response, i	· · · · · · · · · · · · · · · · · · ·
Frank Caroo,	OIL TOIL		/	877-460-1038	
QUANTITY	SIZE/TYPE	DESCRIPTI	ON	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DOTA	RCRA Non-Regulated	103150018	Est. 22 Tons
7.					s ·
		1.764			3
		· · · · · · · · · · · · · · · · · · ·			<u> </u>
				<u> </u>	
	· · · · · · · · · · · · · · · · · · ·	Clean Earth PO#	01-103802-01	1. F.A.	<u></u>
		Common of the co		Towns	and the second s
classified, described,	the above named waste(packaged, marked, and lab transportation according to T and the EPA.	peled and are in the applicable	GNATURE WULLY		3/30/10
THIS SECTION TO	BE COMPLETED BY H	HAULER / TRANSPORTER:			
COMPANY NAME		ADDRESS		ŧ	PHONE NO.
Rainbow Tru	scking		nens Park Road own, NJ 07840	·	973 598 8845
VEHICLE I.D. NO.	STATE N	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed percupon.			Zarata		DATE 03/30/10
	BE COMPLETED BY R	ECEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	O TO EWMI AND GENERATOR)
	Earth of Southeast ennsylvania	and the control of th	Steel Road East rrisville, PA 19067		PHONE NO. 215-428-1700
COMMENTS				: * · ·	
	e above described wastes w	■	(R)	· 	DATE 3. 50-10
and permitted to recei	y, that the Facility is authorive such wastes.	PRINT NAME			

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067

Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27333 Vehicle ID: NIC825 Act 90 Decal: WH7892 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd. Avon Lake, OH 44012 Ticket: 315000031484

Date Time Scale In: 3/30/2010 11:58:35 Scale 1 3/30/2010 12:00:03 P.T.

Lbs Tns 73720 36.86 Gross: Tare: 25700 12.85 48020 24.01 Net:

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

24.01 Tns

Storage Area: Area 1 Comments

Facilitys

Joseph M

All Correspondence and Invoices to: **Environmental Waste Minimization, Inc.** 27333 & Rapid Response, Inc. 14 Brick Kiln Court 103802 Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970 THIS SECTION TO BE COMPLETED BY GENERATOR: **COMPANY NAME/ADDRESS** IN CASE OF EMERGENCY OR SPILL CONTACT Repid Response, Inc. L.E. Carpenter & Company Site Address: 33587 Welker Road 170 N. Main Street 24 HOUR EMERGENCY PHONE # Avon Lake, OH. 44012 Wharton, NJ 07885 877-460-1038 **APPROVAL** DESCRIPTION WEIGHT/VOLUME QUANTITY SIZE/TYPE CODE XX1 DT Non-Hazardous Soil, DOT/RCRA Non-Regulated 103150018 Est. 22 Tons de Clean Earth PO # 01-103802-01 GENERATOR'S SIGNATURE DATE Hereby certify that the above named waste(s) are properly co to classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable PRINT NAME regulations of the DOT and the EPA THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER: COMPANY NAME **ADDRESS** PHONE NO. 167 Stephens Park Road 973 598 8845 Hackettstown, NJ 07840 Rainbow Trucking VEHICLE I.D. NO. STATE BOX NUMBER-IN BOX NUMBER-OUT COMMENTS 586 AM23UM DATE DRIVER'S SIGNATURE I Hereby certify that the above described waste(s) were accepted for transportation at the producer's 03-30-10 site for delivery to the waste facility. Both as listed PRINT DRIVER'S NAME aboga hereupon THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR) FACILITY NAME Clean Earth of Southeast **ADDRESS** PHONE NO. 7 Steel Road East 215-428-1700 **Pennsylvania** Morrisville, PA 19067 COMMENTS **AUTHORIZED SIGNATURE** I Hereby certify that the above described wastes were

delivered to this Facility, that the Facility is authorized

and permitted to receive such wastes.

PŘINT NAME

Clean Earth of Southeast Pennsylvania 7 Steel Road East

Morrisville, PA 19067

Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27332 Vehicle ID: GRE208 Act 90 Decal: WH12291 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000031483

Date Time Scale
In: 3/30/2010 11:57:30 Scale 1
Out: 3/30/2010 11:57:50 P.T.

Lbs Tns Gross: 73180 36.59 Tare: 27440 13.72 Net: 45740 22.87

Facility Approval#: 103150018

Job Mame: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Origin Materials & Services Quantity Unit

Not Applicable Soil Treatment Type IV

22.87 Ths

Storage Area: Area 1 Comment:

Facility:

Siravo, Joseph M

All Correspondence and Invoices to: **Environmental Waste Minimization, Inc.** 27332 & Rapid Response, Inc. 14 Brick Kiln Court 103802 Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970 THIS SECTION TO BE COMPLETED BY GENERATOR: COMPANY NAME/ADDRESS IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. L.E. Carpenter & Company Site Address: 33587 Walker Road 170 N. Main Street 24 HOUR EMERGENCY PHONE # Avon Lake, OH. 44012 Whenton, NJ 07885 877-460-1038 **APPROVAL** QUANTITY SIZE/TYPE DESCRIPTION WEIGHT/VOLUME CODE **XX1** DT Non-Hazardous Soil, DOT/RCRA Non-Regulated Est. 22 Tons 103150018 Clean Earth PO # 01-103802-01 MERATOR'S SIGNATURE DATE 1 Hereby certify that the above named waste(s) are properly 3/30/10 classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable PRINT NAME regulations of the DOT and the EPA THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER: COMPANY NAME **ADDRESS** PHONE NO. 167 Stephens Park Road Rainbow Trucking Hackettstown, NJ 07840 BOX NUMBER-IN BOX NUMBER-OUT STATE COMMENTS DRIVER'S SIGNATURE DATE I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed PRINT DRIVER'S NAME hereupon THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR) FACILITY NAME Clean Earth of Southeast **ADDRESS** PHONE NO. 7 Steel Road East Pennsylvania Morrisville, PA 19067 215-428-1700 COMMENTS **AUTHORIZED SIGNATURE** I Hereby certify that the above described wastes were

delivered to this Facility, that the Facility is authorized

and permitted to receive such wastes.

PRINT NAME

330.10

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27331 Vehicle ID: NIC844 Act 90 Decal: WH7892

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

.

Facility Approval#: 103150018

Gross:

Tares

Met:

Job Name: Dayco Corp/L.E. Carpenter Sup

Time

Tris

37.27

13.03

24,24

Scale

Scale 1

Job Address: 170 N. Main St.

Ticket: 315000031482

Date

Lbs

74540

26060

48480

In: 3/30/2010 11:54:44

3/30/2010 11:55:32

Wharton, NJ 07885

Origin Materials & Services

Quantity Unit

Mot Applicable

Soil Treatment Type IV

24,24 Ths

Storage Area: Area 1 Comment:

Drivers

Facility:

Siravo, Joseph M

All Correspondence and Invoices to: **Environmental Waste Minimization, Inc.** 27331 Document # & Rapid Response, Inc. 14 Brick Kiln Court 103802 Northampton, PA 18067 Job/Project # Phone 484-275-6900 Fax 484-275-6970 THIS SECTION TO BE COMPLETED BY GENERATOR: COMPANY NAME/ADDRESS IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. L.E. Carpenter & Company Site Address: 33587 Welker Road 170 N. Main Street 24 HOUR EMERGENCY PHONE # Avon Lake, OH. 44012 Whatton, NJ 07885 877-460-1038 **APPROVAL** WEIGHT/VOLUME QUANTITY SIZE/TYPE DESCRIPTION CODE Non-Hazardous Soil, DOT/RCRA Non-Regulated XX1 DT 103150018 Est 22 Tons Clean Earth PO # 01-103802-01 GENERATOR'S SIGNATURE DATE Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in the 3/30/10 proper condition for transportation according to the applicable PRINT) NAME regulations of the DOT and the EPA.

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME

ADDRESS

Rainbow Trucking

VEHICLE I.D. NO.

VEHICLE I.D.

BOX NUMBER-OUT COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed

hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Kame

3/30/10

PHONE NO.

973

100

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
Clean Earth of Southeast
Pennsylvania

ADDRESS
7 Steel Road East
Morrisville, PA 19067

PHONE NO.
215-428-1700

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

3.30.10

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27330 Vehicle ID: RAI862 Act 90 Decal: WH7892

Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

Not Applicable Soil Treatment Type IV

Storage Area: Area 1 Comment:

Drivers

Origin

Ticket: 315000031479

Date Time Scale In: 3/30/2010 11:47:48 Scale 1 Out: 3/30/2010 11:48:09 P.T.

Tms

Lbs Ĝross: 74020 37.01 27580 13.79 Tares Net: 46440 23,22

Facility Approval#: 103150018

Job Mame: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Wharton, NJ 07885

Quantity Unit

23.22 Ths

Facilitys

Siravo, Joseph M

						<u></u>	
	Court PA 18067 5-6900		Job/Pro		103802		
HIS SECTION TO	BE COMPLETED BY	GENERATOR:					
OMPANY NAME/ADDRESS L.E. Carpenter & Company Sit 33587 Welker Road 170		Site Address: 170 N. Main Stree		IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc.			
		AMENICAL MA OLO	harton, NJ 07885	24 HOUR EMERGENCY PHONE # 877-460-1038			
QUANTITY	SIZE/TYPE	<u> </u>	DESCRIPTI		APPROVAL	WEIGHT/VOLUME	
XX1 DT		Non-Hazardous Soil, DOT/RCRA Non-Regulated			103150018	Est. 22 Tons	
							
							
					 	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
er en		Clean Ea	rth PO#(
):			
ssified, described,	the above named wast packaged, marked, and li transportation according If and the EPA.	abeled and are in to the applicable	NAME	GNATURE WITH THE CONTROL & CONTROL		DATE 3/30/10	
HIS SECTION TO	BE COMPLETED BY	HAULER / TRANSPORTE	ER:		· .		
OMPANY NAME		68. A. G.		nens Park Road		PHONE NO.	
Rambow Tru	icking		Hackettstown, NJ 07840			973 598 8845	
EHICLE I.D. NO. 9125/	K STATE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS	
ere accepted for tra	the above described was ansportation at the product waste facility. Both as	icer's PRINT DRIVER'S		20/0/a		3-30-10	
HIS SECTION TO	BE COMPLETED BY	RECEIVER AT DISPOSAL	FACILITY: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR	
CILITY NAME Clean Earth of Southeast Pennsylvania		A.	ADDRESS 7 Steel Road East Morrisville, PA 19067			PHONE NO. 215-428-1700	
OMMENTS	4	en e	· i	1			
	e above described wastes y, that the Facility is autho		GNATURE			DATE 7 7/1/10	
iivereu to this facilit	y, anal uno ravinty is autific	/IIZGU		68 mm	-	1 (7777)	

and permitted to receive such wastes.

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27325 Vehicle ID: RAI882 Act 90 Decal: WH1544 Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

ON TOXISM VOCCE RESETDE

Avon Lake, OH 44012

Ticket: 315000031477

Date Time Scale
In: 3/30/2010 11:43:04 Scale 1
Out: 3/30/2010 11:43:24 P.T.

Lbs Tns Gross: 99920 49.96 Tare: 26280 13.14 Net: 73640 36.82

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

36.82 Ths

Storage Area: Area 1 Comment:

Driver:

MZ

Facility:

Siravd, Joseph M

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Document # 27325 Job/Project # 103802			
THIS SECTION TO	BE COMPLETED BY	GENERATOR:				
COMPANY NAME/ADDRESS LE. Carpenter & Company		Site Address: 170 N. Main Street Wharton, NJ 07885		IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. 24 HOUR EMERGENCY PHONE #		
				4.	877-460-1038	्रेड. -
QUANTITY	SIZE/TYPE		DESCRIPTIO	DN	APPROVAL CODE	WEIGHT/VOLUME
XX1			Non-Hazardous Soil, DOT/RCRA Non-Regulated		103150018	Est. 22 Tons
	*			· ·		
i arangena	Clean Earth PO#01-103802-01					
classified, described,	the above named waste packaged, marked, and la transportation according t T and the EPA.	abeled and are in to the applicable	T NAME	MATURE WILL Comments & Company		DATE 3/30(10
THIS SECTION TO	BE COMPLETED BY	HAULER / TRANSPORT	ER:			·
COMPANY NAME			ADDRESS ³			PHONE NO.
Rainbow Trucking			167 Stephens Park Road Hackettstown, NJ 07840			973 598 8845
M286B STATE BOX NUMBER-IN			- Constant	BOX NUMBER-OUT		COMMENTS
Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.			ERENANE VIKEMAN			3 30/10
THIS SECTION TO	BE COMPLETED BY F	RECEIVER AT DISPOSAL	FACILITY: (0	DNCE SIGNED, A COPY MUS	ST BE FORWARDE	O TO EWMI AND GENERATOR
FACILITY NAME Clean Earth of Southeast Pennsylvania		7 Steel Road East Morrisville, PA 19067			PHONE NO. 215-428-1700	
COMMENTS				1		
• •	e above described wastes ty, that the Facility is author		GIGNATURE	6		J. 30-10

and permitted to receive such wastes.

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067

Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27329 Vehicle ID: RAI877 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000031476

Date Time Scale
In: 3/30/2010 11:39:14 Scale 1
Out: 3/30/2010 11:40:04 P.T.

Lbs Tns Gross: 80840 40.42 Tare: 26060 13.03 Net: 54780 27.39

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

Origin Materials & Services Qua

Soil Treatment Type IV 27.39 Ths

Storage Area: Area 1 Comment:

Drivers

Not Applicable

Facility:

Siravo, Joseph M

All Correspondence and Invoices to:

 $\mathcal{J}_{\mathcal{T}^{\frac{n-2}{2}}},$

& Rapid Resp 14 Brick Kiln Northampton Phone 484-27 Fax 484-275-6	Court , PA 18067 5-6900	Docur	Document # 2/329 10:3802 Job/Project #4,				
THIS SECTION TO	BE COMPLETED BY GE	NERATOR:		,			
33587 Walker Road 170		Site Address: 70 N. Main Street Alharton, NJ 07885	IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. 24 HOUR EMERGENCY PHONE # 877-460-1038				
QUANTITY	SIZE/TYPE	DESCRIPT	TION APPROVAL CODE		WEIGHT/VOLUME		
XX1	DT	Non-Hazardous Soil, DOT	/RCRA Non-Regulated	103150018	Est. 22 Tons		
				1888 May - July 18 may			
•	ż		<u>.</u>	Company of the Compan	·		
	**		į.				
		·			3		
		Clean Earth PO#	01-103802-01				
		:					
classified, described,	the above named waste(s) packaged, marked, and labele transportation according to the T and the EPA.	ed and are in PRINT NAME	SIGNATURE COULTY		3/30/10		
	BE COMPLETED BY HAL	м.			T		
COMPANY NAME	a certific democra		ohens Park Road stown, NJ 07840		PHONE NO. 973 598 8845		
VEHICLE ID NO.		BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS		
were accepted for tra	the above described waste(s) ansportation at the producer's e waste facility. Both as listed	PRINT DRIVER'S NAME ORGE I TORO.			DATE 3/30/10.		
THIS SECTION TO	BE COMPLETED BY REC	EIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
	Earth of Southeast Pennsylvania		7 Steel Road East orrisville, PA 19067		PHONE NO. 215-428-1700		
COMMENTS							
• •	ne above described wastes were ty, that the Facility is authorized ive such wastes.				DATE		
	3	<u> </u>					

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700

Generator: L.E. Carpenter & Company

Avon Lake, OH 44012

Gen Address: 33587 Walker Rd.

Manifest: 27328 Vehicle ID: NIC207

Act 90 Decals

Customer: EWMI

Tares 26720 55500 Neta

Ticket: 315000031473

Date

Lbs 82220

In: 3/30/2010 11:31:24

Out: 3/30/2010 11:33:43

Facility Approval#: 103150018

Grossa

Job Name: Dayco Corp/L.E. Carpenter Sup

Time

Tris

41.11

13.36

27.75

Scale

Scale 1

Manual W

Job Address: 170 N. Main St.

Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

27.75 Ins

Storage Area: Area 1 Comment:

Drivers

Facility:

Siravo Joseph M

All Correspondence and Invoices to: 27328 **Environmental Waste Minimization, Inc.** Document # & Rapid Response, Inc. 14 Brick Kiln Court 103802 WH 7697 Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970 THIS SECTION TO BE COMPLETED BY GENERATOR: COMPANY NAME/ADDRESS IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. L.E. Carpenter & Company Site Address: 33587 Walker Road 170 N. Main Street 24 HOUR EMERGENCY PHONE # Avon Lake, OH, 44012 Wharton, NJ 07885 877-460-1038 **APPROVAL** WEIGHT/VOLUME QUANTITY SIZE/TYPE DESCRIPTION CODE XXI DT Non-Hazardous Soil, DOT/RCRA Non-Regulated 103150018 Est. 22 Tons Clean Earth PO # 01-103802-01 RENERATOR'S SIGNATURE DATE Hereby certify that the above named waste(s) are properly 3/30/10 classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable PRINT NAME regulations of the DOT and the EPA. THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER: COMPANY NAME **ADDRESS** PHONE NO. 167 Stephens Park Road Rainbow Trucking Hackettstown, NJ 07840 VEHICLE I.D. NO. BOX NUMBER-OUT COMMENTS STATE **BOX NUMBER-IN** AMBS6L 11.5 DRIVER'S SIGNATURE DATE I Hereby certify that the above described waste(s) were accepted for transportation at the producer's 03/30/10 site for delivery to the waste facility. Both as listed PRINT DRIVER'S NAME hereupon. THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR) FACILITY NAME Clean Earth of Southeast PHONE NO. **ADDRESS** 7 Steel Road East **Perasylvania** Morrisville, PA 19067 215-428-1700 COMMENTS DATE **AUTHORIZED SIGNATURE** I Hereby certify that the above described wastes were 3.30.10 delivered to this Facility, that the Facility is authorized PRINT NAME

and permitted to receive such wastes.

Clean Earth of Southeast Pennsylvania 7 Steel Road East

Morrisville, PA 19067

Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27327 Vehicle ID: RA1889 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Ayon Lake, OH 44012

Facility Approval#: 103150018

Grossa

Tares

Meta

Job Name: Dayco Corp/L.E. Carpenter Sup

Scale

P.T.

Scale 1

Time

Tns 49, 49

13.37

36,12

Job Address: 170 N. Main St. Wharton, NJ 07885

Ticket: 315000031472

Date

Lbs

98980

26740

72240

In: 3/30/2010 11:29:20

Out: 3/30/2010 11:29:55

Materials & Services Quantity Unit Origin

36,12 Tns Soil Treatment Type IV Not Applicable

Storage Area: Area 1 Comment:

Driver:

Facility:

Tosanh M

	<i>[4</i>] 4	The state of the s			
and the second s	Court PA 18067 5-6900	I IN A		103802	
HIS SECTION TO	BE COMPLETED BY	GENERATOR:			
COMPANY NAME/ LE. Carpen 33597 Walk Avon Lake, (ter & Company er Road	Site Address: 170 N. Main Street Wharton, NJ 07885	IN CASE OF EMERGENC	pid Response,	inc.
QUANTITY	SIZE/TYPE	DESCRIPTIO	N	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons
			- Y		
			· · · · · · · · · · · · · · · · · · ·	-	
		Clean Earth PO#0	1-103002-01		1677
lassified, described, _l	the above named waste packaged, marked, and la ransportation according to and the EPA.	abeled and are in to the applicable PRINT NAME	GNATURE		DATE 3/30/10
HIS SECTION TO	BE COMPLETED BY	HAULER / TRANSPORTER:			
OMPANY NAME	cking		ens Park Road wn, NJ 07840	J _e	973 598 8845
EHICLE I.D. NO. 16405 384		BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
ere accepted for tra	the above described was nsportation at the product waste facility. Both as li	cer's	vo Toro		3/30/10
HIS SECTION TO	BE COMPLETED BY F	RECEIVER AT DISPOSAL FACILITY: (C	ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
	Earth of Southeast enosylvania		Steel Road East risville, PA 19067		PHONE NO. 215-428-1700
COMMENTS		· ***			
	e above described wastes y, that the Facility is autho			·	DATE 5.30,10

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27326 Vehicle ID: RAI873 Act 90 Decal: WH1544 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd. Avon Lake, OH 44012

HVON Lake, UN 44016

Materials & Services

Not Applicable Soil Treatment Type IV

Storage Area: Area 1 Comment:

Origin

Driver: ED Wh

Ticket: 315000031469

Date Time Scale
In: 3/30/2010 11:20:03 Scale 1
Out: 3/30/2010 11:20:27 P.T.

Lbs Tns Gross: 97480 48.74 Tare: 26800 13.40 Net: 70680 35.34

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 M. Main St. Wharton, NJ 07885

Quantity Unit

35,34 Ths

Facility:

Siravo, Woseph M

	1		No.			
	Court , PA 18067 5-6900	, Inc.	Docume Job/Pro		103802	
HIS SECTION TO	D BE COMPLETED BY G	ENERATOR:			·	- V
OMPANY NAME/ L.E. Carpen 33567 Walk Avon Lake,	nter & Company ser Road	Site Address: 170 N. Main Stre Wharton, NJ 070		IN CASE OF EMERGENC' Ra 24 HOUR EMERGENCY P	pid Response,	Inc.
QUANTITY	SIZE/TYPE		DESCRIPTION	<u> </u>	APPROVAL	WEIGHT/VOLUME
XX1	DT	Non-Hazardous		CRA Non-Regulated	103150018	Est. 22 Tons
6						
				4 400000 04		<u> </u>
		CREAT E	arei PO V u	1-103802-01	<u> </u>	
						The state of the s
assified, described,	the above named waste(s packaged, marked, and labe transportation according to T and the EPA.	eled and are in the applicable PRID	ERATOR'S 810 COST COMMITTERS	NATURE Company Company		3/30/10
IS SECTION TO	BE COMPLETED BY H	AULER / TRANSPOR	ΓER:			
OMPANY NAME		,	ADDRESS			PHONE NO.
Rainbow Tri	ucking			ens Park Road wn, NJ 07840		973 598 8845
EHICLE I.D. NO.	# 843 STATE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS
ere accepted for tra	the above described waste(ansportation at the produce e waste facility. Both as liste	rs	([7]	rale teal		DATE 30/10
HIS SECTION TO	BE COMPLETED BY RE	CEIVER AT DISPOSA	L FACILITY: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	I D TO EWMI AND GENERATOR
F	Earth of Southeast Pennsylvania			Steel Road East risville, PA 19067		PHONE NO. 215-428-1700
OMMENTS				4	. ·	
	e above described wastes we ty, that the Facility is authoriz- ive such wastes.	N N	SIGNATURE			3.30.10

delivered to this Facility, that the Facility is authorized

and permitted to receive such wastes.

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27323 Vehicle ID: RAI91

Act 90 Decals w41544

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000031468

Date Time Scale
In: 3/30/2010 11:16:02 Scale 1
Out: 3/30/2010 11:16:47 Manual W

Lbs Tns Gross: 92140 46.07 Tare: 26060 13.03 Net: 66080 33.04

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Materials & Services Quantity Unit

Mot Applicable Soil Treatment Type IV

33.04 Ths

Storage Area: Area 1 Comment:

Driver

Origin

Dina ?

Facility:

Siravb./Joseph M

All Correspondence and Invoices to: 27323 **Environmental Waste Minimization, Inc.** Document # & Rapid Response, Inc.

14 Brick Kiln Northampton Phone 484-27 Fax 484-275-6	, PA 18067 '5-6900	Job/Pr	roject #	103802	
THIS SECTION TO	D BE COMPLETED BY	GENERATOR:			
COMPANY NAME/ADDRESS LE. Carpenter & Company 33587 Walker Road		Site Address: 170 N. Main Street	IN CASE OF EMERGENC	Y OR SPILL CONT.	
	OH. 44012	Wharton, NJ 07885	24 HOUR EMERGENCY F	PHONE # 877-460-1038	
QUANTITY	SIZE/TYPE	DESCRIPT	ION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DOT	RCRA Non-Regulated	103150018	Est. 22 Tons
1		:			
				* ;	
				:	
		Clean Earth PO #	01-103602-01		
er gang palaman di Managan	:	2			- 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1
classified, described,	t the above named was packaged, marked, and transportation according IT and the EPA.	to the applicable RRINT NAME	DEMONSTRATE CONTRACTOR CONTRACTOR		3/30/10
THIS SECTION TO	D BE COMPLETED BY	'HAULER / TRANSPORTER:			
COMPANY NAME	ucking		hens Park Road town, NJ 07840		PHONE NO. 973 598 8845
VEHICLE I.D. NO.	TH NJ	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
were accepted for tr	the above described was ansportation at the produ e waste facility. Both as	ucer's // District			3-30-10
THIS SECTION TO	BE COMPLETED BY	RECEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
*	Earth of Southeas Pennsylvania	-	7 Steel Road East orrisville, PA 19067		PHONE NO. 215-428-1700
COMMENTS					

AUTHORIZED SIGNATURE I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized PRINT NAME and permitted to receive such wastes.

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700

Fax: (215) 428-1704

Manifest: 27322 Vehicle ID: RAI886 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000031467

Date Scale Time In: 3/30/2010 11:14:14 Scale 1 Out: 3/30/2010 11:14:41 P.T.

Lbs Tns 95560 47.78 Grossa Tares 27220 13.61 34.17 Nets 68340

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

34.17 Ths

Storage Area: Area (1)
Comment:

	- 45 kg -		- W		
	Court , PA 18067 5-6900		oject#	103802	
HIS SECTION TO	BE COMPLETED BY (GENERATOR:			
33587 VAN	ter & Company	Site Address: 170 N. Main Street Wharton, NJ 07885	IN CASE OF EMERGENCY	apid Response,	=
QUANTITY	SIZE/TYPE	DESCRIPTION	DN	APPROVAL	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DOT/		103150018	Est. 22 Tons
		N. C.			ety.
		· · · · · · · · · · · · · · · · · · ·	V V		
		· · · · · · · · · · · · · · · · · · ·			
ver i		Clean Earth PO#0	01-103902-01		
assified, described,	the above named waste(packaged, marked, and lab transportation according to T and the EPA.	peled and are in PRINT NAME	GNATURE		3/30/10
HIS SECTION TO	BE COMPLETED BY H	AULER / TRANSPORTER:			
OMPANY NAME	· · · · · · · · · · · · · · · · · · ·	ADDRESS			PHONE NO.
Rainbow Tn	ucking		nens Park Road own, NJ 07840		973 598 8845
EHICLE T.D. NO	STATE W	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
ere accepted for tra	the above described waste ansportation at the product e waste facility. Both as lis	er's	etros Man	·u·	DATE 3/30/10
HIS SECTION TO	BE COMPLETED BY R	ECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY ML	IST BE FORWARDE	D TO EWMI AND GENERATOR)
	Earth of Southeast Pennsylvania		Steel Road East rrisville, PA 19067		PHONE NO. 215-428-1700
OMMENTS		1.44			· :
Hereby certify that th	e above described wastes w	AUTHORIZED SIGNATURE			DATE
	ty, that the Facility is authori	1 / / 5		· · · · · · · · · · · · · · · · · · ·	3.30.10

and permitted to receive such wastes.

Clean Earth of Southeast Permsylvania 7 Steel Road East Morrisville, PA 19067

Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27324 Vehicle ID: RAI71 Act 90 Decal: WHISUU

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000031464

Date Time Scale
In: 3/30/2010 11:06:30 Scale:1
Out: 3/30/2010 11:07:39 Manual W

Lbs Tns Gross: 95840 47.92 Tare: 25980 12.99 Net: 69860 34.93

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

The process of the state of the part of the state of the

Origin

Materials & Services

manna ny mina

Not Applicable

Soil Treatment Type IV

34.93 Ths

Storage Area: Area 1 Comment:

Drivers

Faci

Facilitys

irava Joseph M

	Jan State Committee	مراقع ما العالم	r		
	Court ı, PA 18067 75-6900	on, Inc.	273		5960
THIS SECTION T	O BE COMPLETED BY	GENERATOR:			
COMPANY NAME/ADDRESS L.E. Carpenter & Company 33587 Walker Road		Site Address: 170 N. Main Street Wharton, NJ 07885	IN CASE OF EMERGENCY 24 HOUR EMERGENCY P	apid Response,	inc.
**************************************			<u> </u>		<u> </u>
QUANTITY	SIZE/TYPE	DESCRIPTI	ION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DOT/	RCRA Non-Regulated	103150018	Est. 22 Tons
	·•				
#87°					
			Marketon (Marketon (Market		
		Clean Earth PO#	01-103802-01		
)		
lassified, described	at the above named waste, packaged, marked, and la transportation according to and the EPA.	abeled and are in to the applicable PRINT NAME	IGNATURE		DATE 3/30/10
HIS SECTION TO	O BE COMPLETED BY	HAULER / TRANSPORTER:		.g ¹	
OMPANY NAME		ADDRESS	· .	1	PHONE NO.
Rainbow Ti	rucking		hens Park Road lown, NJ 07840		973 598 8645
EHICLE I.D. NO.	#7/ STATE 1352 4 NJ.	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
ere accepted for t	t the above described was ransportation at the produ- ne waste facility. Both as li	cer's PRINT DRIVER'S NAME	J men dz		3-30-10
HIS SECTION TO	O BE COMPLETED BY	RECEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
	Earth of Southeast Pennsylvania	ADDRESS Mo	Stoel Road East misville, PA 19067		PHONE NO. 215-428-1700
OMMENTS					
		<u> </u>			
	he above described wastes lity, that the Facility is autho	I	7		2 70 10

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Fax: (215) 428-1704 Ph: (215) 428-1700

Manifest: 27320 Vehicle ID: GRE203 Act 90 Decal: WH12291 Customers EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

Not Applicable

Soil Treatment Type IV

Storage Area: Area 1 Commenta

Drivers

Origin

Ticket: 315000031462

Date Time Scale In: 3/30/2010 11:00:20 Scale 1 Out: 3/30/2010 11:00:51 P.T.

Tns Lbs 47.30 94600 Gross: Tare: 26920 13.46 67680 33.84 Met:

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

33.84 Tns

Facility:

Sirwo, Joseph M

				<u> </u>
	Court 4 PA 18067 5-6900	Job/Project #	103802	
THIS SECTION TO	BE COMPLETED BY GE	ENERATOR:		
COMPANY NAME/A	ADDRESS	IN CASE OF EMERGENC	Y OR SPILL CONTA	ACT
LE. Carpen 33567 Walk Avon Lake, (er Roed	Site Address: 170 N. Main Street Wharton, NJ 07885 24 HOUR EMERGENCY P	pid Response, HONE # 877-460-1038	
				· · · · · · · · · · · · · · · · · · ·
QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DOT/RCRA Non-Regulated	103150018	Est. 22 Tons
i i i i i i i i i i i i i i i i i i i	W.			
		Clean Earth PO # 01-103802-01	Anna de la constante de la con	
ARABA IN AMERICA				
Classified, described, proper condition for the egulations of the DOT		ed and are in he applicable PRINT NAME Scott Provided and the Company Company		3/30/10
	BE COMPLETED BY HA	ULER / TRANSPORTER:	·	<u> </u>
OMPANY NAME		ADDRESS 167 Stephens Park Road		PHONE NO.
Rainbow Tru	cking	Hackettstown, NJ 07840		973 598 8845
/EHICLE I.D. NO.	STATE	BOX NUMBER-IN BOX NUMBER-OUT		COMMENTS
	he above described waste(s	′ 1		DATE
•	nsportation at the producer's waste facility. Both as listed		7	3-30-10
THIS SECTION TO	BE COMPLETED BY REC	CEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR
	enth of Southeast ennsylvania	ADDRESS 7 Steel Road East Morrisville, PA 19067		PHONE NO. 215-428-1700
COMMENTS			,	
Hereby certify that the	above described wastes wer	e AUTHORIZED SIGNATURE		DATE
lelivered to this Facility and permitted to receiv	y, that the Facility is authorize ve such wastes.	d PRINTNAME		2 - 2 - 10

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27321 Vehicle ID: RAI885 Act 90 Decal: WH1544 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

JOD HOOTESS: 17

wharcon,

Not Applicable

Origin

Soil Treatment Type IV

35.15 Tns

Storage Area: Area 1 Comment:

Drivers

Sirayo/ Joseph M

Ticket: 315000031461 Date

Date Time Scale
In: 3/30/2010 10:57:36 Scale 1
Out: 3/30/2010 10:57:57 P.T.

Lbs Tns Gross: 95980 47.99 Tare: 25680 12.84

Net: 70300 35.15

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup Job Address: 170 N. Main St.

Wharton, NJ 07885

Quantity Unit

Facility:

to and	Y -	in the second of			
	Court PA 18067 i-6900			103802	
THIS SECTION TO	BE COMPLETED BY G	GENERATOR:			
LE Carpent 33587 Walks Avon Lake, (er & Company or Road	Site Address: 170 N. Main Street Wharton, NJ 07885	IN CASE OF EMERGENCY 24 HOUR EMERGENCY P	pid Response,	inc.
·	· ·			<u>.</u>	
QUANTITY	SIZE/TYPE	DESCRIPTI		APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DOT/	RCRA Non-Regulated	103150018	Est. 22 Tons
	·············		, in the second		
)		
	1				
		Clean Earth PO#	01-103802-01		
	e e		***************************************	Sec. 15.	
lassified, described, p	the above named waste(spackaged, marked, and lab ransportation according to and the EPA.	eled and are in the applicable PRINT NAME	a de la companya de l		330 ID
HIS SECTION TO	BE COMPLETED BY H	IAULER / TRANSPORTER:			
OMPANY NAME		ADDRESS	nama Marila Marad		PHONE NO.
Rainbow Tru	cking		hens Park Road own, NJ 07840		973 598 8845
EHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
ere accepted for trai	he above described waste nsportation at the produce waste facility. Both as list	er's	Luis 2	3 pata	DATE
HIS SECTION TO	BE COMPLETED BY RE	ECEIVER AT DISPOSAL FACILITY:	ONCE SIGNED, A COPY MUS		
ACILITY NAME Clean E	iarih of Southeast ennsylvania	ADDRESS 7	Steel Road East misville, PA 19067		PHONE NO. 215-428-1700
OMMENTS				<u>, </u>	
	above described wastes w	1 8 "		K.	DATE / 3/3/1/c
elivered to this Facility nd permitted to receiv	/, that the Facility is authorize such wastes.	PRINT NAME 5//4	10		17-7/10

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Avon Lake, OH 44012

Manifest: 27318 Vehicle ID: GRE205 Act 90 Decal: WH7892

Customer: EWMI

Facility Approval#: 103150018

Grossa

Tares

Net:

Generator: L.E. Carpenter & Company

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Ticket: 315000031458

Date

L.bs

91920

27520

64400

In: 3/30/2010 10:47:45

Out: 3/30/2010 10:48:22

Time

Tns

45.96

13.76

32.20

Scale

P.T.

Scale 1

Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

32.20 Ths

Storage Area: Area 1 Comment:

Gen Address: 33587 Walker Rd.

Facility:

Sirevo, Joseph M

All Correspondence and Invoices to: **Environmental Waste Minimization, Inc.** & Rapid Response, Inc. 14 Brick Kiln Court

27318

103802

3-30.10

Document #

Phone 484-27 Fax 484-275-6	75-6900	Jo	b/Project #			
THIS SECTION TO	O BE COMPLETED BY	GENERATOR:			· · · · · · · · · · · · · · · · · · ·	
COMPANY NAME L.E. Carper 33567 Wall	nter & Company	Site Address: 170 N. Main Street	IN CASE OF EMERGENC	Y OR SPILL CONTA POID RESPONSE,		
	Avon Lake, OH. 44012 Wharton, NJ 076		24 HOUR EMERGENCY F	PHONE # 877-460-1038	to the state of th	
QUANTITY	SIZE/TYPE	DESCI		APPROVAL CODE	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous Soit, D	OT/RCRA Non-Regulated	103150018	Est. 22 Tons	
		Operation of the second of the				
	<u> </u>	a			Year William	
		B	\			
		Clean Earth Po	0#01-103802-01			
			\bigcirc			
classified, described,	t the above named waste, packaged, marked, and la transportation according to T and the EPA.	beled and are in Country of the applicable RRINT NAME	R'S SIGNATURE CALLELY Exception of LE Company	\(\frac{1}{2}\)	3/36/10	
THIS SECTION TO	D BE COMPLETED BY	HAULER / TRANSPORTER:				
COMPANY NAME		ADDRES	6 S		PHONE NO.	
Rainbow Tr	ræking		Stephens Park Road altstown, NJ 07840	er er	973 596 8845	
PEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS	
vere accepted for tr	the above described wast ransportation at the product the waste facility. Both as lit	per's	XO CXCNO		3/30/10	
THIS SECTION TO	D BE COMPLETED BY F	RECEIVER AT DISPOSAL FACIL	ITY: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR	
	Earth of Southeast Pennsylvania	ADDRES	7 Steel Road East Morrisville, PA 19067		PHONE NO. 215-428-1700	
COMMENTS						

AUTHORIZED SIGNATURE

PRINT NAME

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized

and permitted to receive such wastes.

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-\$704

Generator: L.E. Carpenter & Company

Avon Lake, OH 44012

Gen Address: 33587 Walker Rd.

Manifest: 27319 Vehicle ID: GRE210 Act 90 Decal: WH12291 Customer: EWMI

Facility Approval#: 103150018

Grossa

Tares

Net:

Job Name: Dayco Corp/L.E. Carpenter Sup

Ticket: 315000031456

Date

Lbs

91340

27800

63540

In: 3/30/2010 10:41:35

Out: 3/30/2010 10:41:57

Time

Tns

45.67

13.90

31.77

Scale

P.T.

Scale 1

Job Address: 170 N. Main St.

Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

31.77 Tns

Storage Area: Area 1 Comments

Drivers

Facilitys

and the second	:	No. 19 Marie			
	Court , PA 18067 /5-6900	on, Inc.	ment #	103802	
THIS SECTION TO	O BE COMPLETED BY	GENERATOR:			
33587 Walk	nter & Company	Site Address: 170 N. Main Street Wharton, NJ 07885	IN CASE OF EMERGENCY P	pid Response,	inc.
QUANTITY	SIZE/TYPE	DESCRIPT	 TION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DOT		103150018	Est. 22 Tons
	V		b,		
-			10 miles		
		*			7.1
		Clean Earth PO #	01-103802-01		
				- 4 mar	
classified, described,	t the above named waste packaged, marked, and la transportation according t VT and the EPA.	abeled and are in to the applicable PRINT NAME	SIGNATURE CONSTITUTE CONSTITU		DATE 3/30/10
THIS SECTION TO	D BE COMPLETED BY	HAULER / TRANSPORTER:		· · · · · · · · · · · · · · · · · · ·	
COMPANY NAME		*	ohens Park Road stown, NJ 07840		PHONE NO. 973 596 8845
VEHICLE I.D. NO. AH 63B [12391 STATE	BOX NUMBER-IN	BOX NUMBER-OUT)	COMMENTS
were accepted for tr	the above described was ransportation at the produc le waste facility. Both as li	cer's	Edisson Vale	euc a	3/30/10
	 	RECEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
	Earth of Southeast Pennsylvania		7 Steel Road East onisville, PA 19067		PHONE NO. 215-428-1700
COMMENTS	N. C.				
	ne above described wastes ity, that the Facility is autho sive such wastes,	3 x 5 x 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L		3.30.10

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067

Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27316 Vehicle ID: RAI887 Act 90 Decal: WH1544 Customer: EWMI

Facility Approval#: 103150018

Gross:

Tares

Net:

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Ticket: 315000031455

Date

Lbs

93720

26660

67060

In: 3/30/2010 10:38:50

Out: 3/30/2010 10:39:20

Time

Tas

46.86

13.33

33.53

Scale

P.T.

Scale 1

Origin Avon Lake, OH 44012
Origin Materials &

Gen Address: 33587 Walker Rd.

Materials & Services Quantity Unit

Mot Applicable Soil Treatment Type IV

Generator: L.E. Carpenter & Company

33.53 Tns

Storage Area: Area 1 Comment:

Driver Ando

Facility:

Final Tocanh M

All Correspon Environment & Rapid Res 14 Brick Kiln Northampton Phone 484-275-4	al Waste M ponse, Inc. Court n, PA 18067 75-6900	inimizatior		Docum Job/Pro	•	7316	103802		-
HIS SECTION T	О ВЕ СОМР	LETED BY C	GENERATOR:	1	·	*			8
33587 Walker Road		Site Address: 170 N. Main Stree Wharton, NJ 078	Site Address: 170 N. Main Street			R SPILL CONTA Response, I	N. E.	F	
						87	7-460-1038		
QUANTITY	SIZE/T	YPE		DESCRIPTION	ON .		APPROVAL CODE	WEIGHT/VOLUME	\$
XX1	D	T	Non-Hazardous	Soil, DOTA	RCRA Non-Regulation	ed 10	03150018	Est. 22 Tons	
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				ž : .		· · · · · · · · · · · · · · · · · · ·			:
7.4			·			10			· .
-			Clean Ea	with PO#C	11-103802-01		ing a superior of the second control of the	An en	
and the second			6		7				
Hereby certify that assified, described oper condition for gulations of the DC	, packaged, ma transportation	arked, and lab according to	eled and are in the applicable	RATOR'S SI COUT CU F NAME	GNATURE .	nay.		3/36/10	
HIS SECTION TO	O BE COMPL	LETED BY H	IAULER / TRANSPORT	ER:					
OMPANY NAME	* (4)		Α		ens Park Road own, NJ 07840	· ·	at the second	PHONE NO. 973 598 8845	ă.
EHICLE I.D. NO.		STATE	BOX NUMBER-IN		BOX NUMBER-OU			COMMENTS	
Hereby certify that ere accepted for t te for delivery to the	ransportation a	at the produce	er's	SNAME	10	.5-		DATE 3/30/10	 -
ereupon.			Juse		ardenas	1			
 					ONCE SIGNED, A COPY	Y MUST B	E FORWARDEI	O TO EWMI AND GENERATO	OR)
ACILITY NAME Clean	Earth of S Pennsylva		A		Steel Road East trisville, PA 19067			PHONE NO. 215-428-1700	
OMMENTS									
Hereby certify that the livered to this Facility	lity, that the Fac	cility is authoriz		IGNATURE	-			3.30.10) *

Clean Earth of Southpast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27315 Vehicle ID: RAI888 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000031454

Date Time Scale In: 3/30/2010 10:37:09 Scale 1 Out: 3/30/2010 10:37:38 P.T.

Lbs Tns 95200 47.60 Gross: Tares 26540 13.27 Neta 68660 34.33

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

34.33 Tns

Storage Area: Area 1 Comment:

Driver:

Facility:

Joseph M

			1: 3	<u> </u>		and the second s
All Correspondence and Invoices to: Environmental Waste Minimit Con, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067			Documer Job/Proje		15	
Phone 484-27 Fax 484-275-6			JODN TOJE	, <u> </u>		
THIS SECTION TO	D BE COMPLETED BY	GENERATOR:			ě	
COMPANY NAME L.E. Carper 33587 Walk	nter & Company	Site Address: 170 N. Main Stree			Y OR SPILL CONT PROPERTY OF THE PROPERTY OF T	
Avon Lake,	OH. 44012	Wharton, NJ 078	85	24 HOUR EMERGENCY F	PHONE # 877-460-1038	*
QUANTITY	SIZE/TYPE		DESCRIPTION	N	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous S	Soil, DOT/RO	CRA Non-Regulated	103150018	Est. 22 Tons
	Λ	- N 11 - 11 - 11 - 11 - 11 - 11 - 11 -	· · · · · · · · · · · · · · · · · · ·			
			;		\$	(A.)
						1
		Clean Ea	rth PO#01	-103802-01		Anta dalah 1
The state of the s)		
classified, described,	t the above named waste packaged, marked, and lal transportation according to T and the EPA.	beled and are in the applicable	RATOR'S 91GH	VATURE		3/30/10
THIS SECTION TO	BE COMPLETED BY I	HAULER / TRANSPORTE	ER:	A NAME OF THE PROPERTY OF THE		4
COMPANY NAME			DDRESS	ma Thad Dand	,	PHONE NO.
Rainbow Tr	ucking			ns Park Road vn, NJ 07840	l.	973 598 8845
VEHIELE I.D. NO. 888	STATE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS
	the above described waste		ATURE			DATE
·	ansportation at the produc e waste facility. Both as lis	PRINT DRIVER'S	S NAME	Sepulved	a	3-30-10
THIS SECTION TO	BE COMPLETED BY R	ECEIVER AT DISPOSAL	FACILITY: (O	NCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
,	Earth of Southeast Pennsylvania	Al		iteel Road East isville, PA 19067		PHONE NO. 215-428-1700
COMMENTS		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	
•	ne above described wastes v ty, that the Facility is author ive such wastes.		IGNATURE			3.3.10

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27314 Vehicle ID: RAI883 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 31500003145&

Time Scale Date In: 3/30/2010 10:32:05 Scale 1 Out: 3/30/2010 10:32:31 P.T.

Tns Lbs 95200 47.60 Grossa 26800 13,40 Tares 34.20 Neta 68400

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

34.20 Tns

Storage Area: Area 1 Comments

Driver:

Facility:

Siravo. Joseph M

All Correspondence and Invoices to:

Environmental Waste Minimization, Inc. & Rapid Response, Inc.		, Inc.	Docume	nt #	27314			
14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Job/Ptoj	ect #	103802			
THIS SECTION TO	BE COMPLETED BY G	ENERATOR:	<u> </u>			- <u>·</u>		
COMPANY NAME/A	DDRESS or & Company	Site Address:	47	IN CASE OF E		OR SPILL CONT.		
33587 Walke Avon Lake, (170 N. Main Stre Wharton, NJ 070	:	24 HOUR EME	RGENCY P	HONE # 877-460-1038	· · · · · · · · · · · · · · · · · · ·	
QUANTITY	SIZE/TYPE		DESCRIPTIC	N .	 · · · · · · · · · · · · · · · · · · 	APPROVAL CODE	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous	Soil, DOT/R	CRA Non-Reg	pulated	103150018	Est. 22 Tons	
	-	· .						
						† ·		
		· · · · · · · · · · · · · · · · · · ·			- /^-	<u>.</u>	73%	
		Clean E	arth PO#0	1-103802-01	- /			
A STATE OF THE STA	,				 	<u> </u>		
classified, described, p	the above named waste(s ackaged, marked, and laboransportation according to and the EPA.	eled and are in the applicable	ERATOR'S SIE FLATOR'S SIE T. NAME	NATURE	Company		3/30/10	
THIS SECTION TO	BE COMPLETED BY H	AULER / TRANSPORT	ΓER:					
COMPANY NAME Reinbow Tru	cking			ens Perk Road wn, NJ 07840			PHONE NO. 973 598 8845	
VEHICLE I.D. NO. AL805 R	STATE	BOX NUMBER-IN		BOX NUMBE	R-OUT		COMMENTS	
were accepted for trar	ne above described waster insportation at the produce waste facility. Both as liste	r's	AIBS A	JON A	· ·		O3 -30 -10	
THIS SECTION TO E	BE COMPLETED BY RE	CEIVER AT DISPOSA	L FACILITY: (C	DNCE SIGNED, A	COPY MUS	T BE FORWARDE	D TO EWMI AND GENERATOR)	
	arth of Southeast ernsylvania	<i>,</i>		Steel Road Earisville, PA 19			PHONE NO. 215-428-1700	
	above described wastes we that the Facility is authoriz s such wastes.		SIGNATURE	2	· ·		DATE 3.30.10	
							¥	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-170

Manifest: 27313

Vehicle ID: MAR892 Act 90 Decals

Origin

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

Not Applicable Soil Treatment Type IV

Storage Area: Area 1 Comments

Ticket: 315000031446

Date Scale Time In: 3/30/2010 10:13:13 Scale 1 3/30/2010 10:16:20 Manual W

Lbs Tns 48,93 97860 Gross: Tares 26600 13.30 Neta 71260 35.63

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

35.63 Ths

Facility:

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc.		Document #	27313	A ST
14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900		Job/Project #	 1	103802
Fax 484-275-6970				. :
THIS SECTION TO BE COMPLETED BY GENERAT	OR:			·

Phone 484-275 Fax 484-275-69			Job/Piro	pject #		:			
THIS SECTION TO	BE COMPLETED BY	GENERATOR:	·						
COMPANY NAME/ADDRESS L.E. Carpenter & Company Site Address: 33587 Walker Road 170 N. Main Stro Avon Lake, OH. 44012 Wherton, N.J. 07			. Main Street			apid Response, Inc.			
QUANTITY	SIZE/TYPE		DESCRIPTI	 ON	APPROVAL CODE	WEIGHT/VOLUME			
XX1	DT	Non-Hazardous	Soil, DOTA	RCRA Non-Regulated	103150018	Est. 22 Tons			
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with Wilder					·	A. Carrier			
		Clean E	arth PO#(A A					
n particular and a second				7	i i	· · · · · · · · · · · · · · · · · · ·			
classified, described, p	the above named wast ackaged, marked, and la ansportation according and the EPA.	abeled and are in to the applicable	T NAME	MATURE!		3/36(10			
THIS SECTION TO	BE COMPLETED BY	HAULER / TRANSPORT	ER:		- · · · · · · · · · · · · · · · · · · ·				
COMPANY NAME		А	DDRESS			PHONE NO.			
Rainbow Tru	cking			nens Park Road own, NJ 07840	973 596 8845				
VEHICLE I.D. NO.	A STORE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS			
were accepted for tran	ne above described was nsportation at the produ waste facility. Both as I	cer's IUChu	S NAME	nstre		3-30-10			
THIS SECTION TO I	BE COMPLETED BY	RECEIVER AT DISPOSAL	L FACILITY: "	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOF			
FACILITY NAME Clean Earth of Scutheast Pennsylvania			ADDRESS 7 Steel Road East Morrisville, PA 19067			PHONE NO. 215-428-1700			
COMMENTS		ė.	٠,		1				

DATE AUTHORIZED SIGNATURE I Hereby certify that the above described wastes were 3.30.10 delivered to this Facility, that the Facility is authorized PRINT NAME and permitted to receive such wastes.

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27312 Vehicle ID: RAI881 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000031445

Date Time Scale
In: 3/30/2010 10:10:56 Scale 1
Out: 3/30/2010 10:11:22 P.T.

Lbs Tns Gross: 95160 47.58 Tare: 26200 13.10 Net: 68960 34.48

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

34.48 Ths

Storage Area: Area 1 Comment:

Driver

Facility:

Siravo Joseph M

	<u> </u>	# 54°			· ·	
	Court , PA 18067 75-6900		Docum Job/P	273	103802	
HIS SECTION TO	O BE COMPLETED BY	GENERATOR:	A.			
33587 Wall	nter & Company ter Road	Site Address: 170 N. Main Stre	-		apid Response,	ACT INC.
AVOI LANG,	OH. 44012	Whaton, NJ 07	(863	24 HOUR EMERGENOY F	877-460-1038	
QUANTITY	SIZE/TYPE		DESCRIPTI	ON	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous	Soil, DOT/	RCRA Non-Regulated	103150018	Est. 22 Tons
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4						
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		Clean i	Earth PO#	01-103802-01		A Section
grant to the state of the state	. San	a territoria de la proposición de la companya de l	Service of the servic	A Property of the Park of the	The second secon	estance de la servicio espectación sus se como casalles segue de la como casalles segues della como ca
assified, described,	t the above named waste packaged, marked, and la transportation according to T and the EPA.	beled and are in	CENTORIS SI CENT GU VI NAME	CNATURE LE COMPANIE COMPANIE		3/30/10
HIS SECTION TO	D BE COMPLETED BY	HAÚLER / TRANSPOF	RTER:			
OMPANY NAME	ucking			Name Park Road Own, NJ 07840		973 598 8845
EHICLE I.D. NO.	STATE	BOX NUMBER-IN		BOX NUMBER-OUT	1	COMMENTS
ere accepted for tr	the above described was ansportation at the produce waste facility. Both as li	per's	<u> </u>			3-30-LC
·) BE COMPLETED BY	- 4		(ONCE SIGNED A CORV MILI	ST BE FORWARDE	D TO EWMI AND GENERATOR)
ACILITY NAME	Earth of Southeast		ADDRESS 7	Steel Road East rrisville, PA 19067		PHONE NO. 215-428-1700
OMMENTS					· · · · · · · · · · · · · · · · · · ·	
	ne above described wastes ity, that the Facility is author ive such wastes.		SIGNATURE	D		DATE 30.10

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067

Phs (215) 428-1700 Fax: (215) 428-1704

Manifest: 27311 Vehicle ID: RAI880

Act 90 Decal: WH1544

Customer: EWMI

Ticket: 315000031442

Time Date Scale In: 3/30/2010 10:05:33 Scale 1

3/30/2010 10:05:50 P.T.

Lbs Tns Grossa 77760 38.88 13.07

Tare: 26140 25.81 Nets 51620

*Facility Approval#: 103150018

Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd.

Job Address: 170 N. Main St.

Avon Lake, OH 44012 Wharton, NJ 07885

Origin Materials & Services Quantity Unit

Not Applicable Soil Treatment Type IV 25.81 Tns

Storage Area: Area 1 Comments

Facility:

Joseph M

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	Court , PA 18067 5-6900			Docume Job/Pro		7311	
<u> </u>	D BE COMPLETED	BV GENE	RATOR:				en Alexandra
OMPANY NAME		D) GENER	TATOTI:	ا اس	IN CASE OF EMERG	NENCY OR SPILL CON	TAOT
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1587 Walker R von Lake, OH.	went	170 NL B	Bain Street 1, NJ 0788		24 HOUR EMERGEN	ICY PHONE # 877-460-1038	
QUANTITY	SIZE/TYPE			DESCRIPTION	DN 85	APPROVAL CODE	WEIGHT/VOLUME
XX1	DY	Non-Ha	zardous Sc	oil, DOT/RCR/	Non-Regulated	103150018	Est. 22 Tons
	· · · · · · · · · · · · · · · · · · ·		· 187	, page			
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			Clean	Earth PO#0	1-103802-01		
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assified, described,	t the above named of packaged, marked, a transportation accord T and the EPA.	nd labeled a	nd are in	ENERATOR'S SIC CONT RINT NAME	ENAPURE COMPANY	J#3	3/30/10
HIS SECTION TO	BE COMPLETED	BY HAULE	R / TRANSPO	ORTER:	· · · · · · · · · · · · · · · · · · ·	75.X	
OMPANY NAME	100			ADDRESS			PHONE NO.
Rainbow Tre	ucking	44	· •		wn, NJ 07840		973 598 8845
EHICLE I.D. NO.	STAT	É BO	OX NUMBER-	IN .	BOX NUMBER-OU	T	COMMENTS
ere accepted for tra	the above described ansportation at the p	roducer's	DRIVER'S S	ali	Justin La	- January	DATE
ite for delivery to the ereupon.	e waste facility. Both	as listed	PRINT DRIV	ER'S NAME	ANDER SI	FREA	03-30-10
HIS SECTION TO	BE COMPLETED	BY RECEIV	ER AT DISPO	SAL FACILITY: (ONCE SIGNED, A COPY	Y MUST BE FORWARD	ED TO EWMI AND GENERATOR)
	Earth of Southe Pennsylvania	asi			Steel Road East risville, PA 19067		PHONE NO. 215-428-1700
COMMENTS	· · · · · · · · · · · · · · · · · · ·				2	**************************************	
	ne above described wa ty, that the Facility is a ive such wastes.		AUTHORIZE	D SIGNATURE	4		3.30.10

RpPrfGTN.rpt

Profile: 103150018

Site ID: 315

Clean Earth of Southeast Pennsylvania Profile GTN

Transactions from 03/31/2010 through 03/31/2010
Inbound Tickets Only
Third Party and Intercompany Customers
Sent and Unsent Tickets
Full Details

Page 1 of 2 3/31/2010 5:15PM User ID: JSIRAVO

Ticket	Date	Truck	In / Out	Manifest	Customer		Gross	Tare	Net
03150018 - Dayo	co Corp/L.E	. Carpenter Su	perfund Site			Global Job Number: 113760			
315000031552	03/31/10	RAI91	I	27352	EWM426-EWMI		46.55	13.04	33.51
315000031553	03/31/10	RAI862	Ι.	27356	EWM426-EWMI		48.43	13.79	34.64
315000031555	03/31/10	RAI890	I	27354	EWM426-EWMI		47.38	13.53	33.85
315000031557	03/31/10	RAI71	I	27353	EWM426-EWMI		45.87	12.99	32.88
315000031559	03/31/10	RAI872	I	27355	EWM426-EWMI		45.68	13.33	32.35
315000031565	03/31/10	RAI874	I	27359	EWM426-EWMI		49.93	12.81	37.12
315000031567	03/31/10	RAI889	I	27360	EWM426-EWMI		48.64	13.37	35.27
315000031570	03/31/10	NIC207	I	27361	EWM426-EWMI		48.76	13.36	35.40
315000031574	03/31/10	GRE204	I	27358	EWM426-EWMI		55.61	13.02	42.59
315000031577	03/31/10	GRE208	I	27368	EWM426-EWMI	At the second se	48.06	13.72	34.34
315000031581	03/31/10	NIC79	I	27362	EWM426-EWMI		53.21	13.21	40.00
315000031582	03/31/10	RAI828	I	27363	EWM426-EWMI		48.72	13.22	35.50
315000031583	03/31/10	RAI873	. I	27364	EWM426-EWMI		52.29	13.40	38.89
315000031589	03/31/10	NIC103	I	27369	EWM426-EWMI	\$.	54.01	12.35	41.66
315000031590	03/31/10	RAI805	I	27370	EWM426-EWMI		48.32	13.56	34.76
315000031591	03/31/10	GRE205	I	27366	EWM426-EWMI		52.32	13.76	38.56
315000031592	03/31/10	GRE210	I	27365	EWM426-EWMI		52.00	13.90	38.10
315000031593	03/31/10	GRE203	I	27367	EWM426-EWMI		53.03	13.46	39.57
315000031594	03/31/10	GRE209	I	27357	EWM426-EWMI		48.74	13.72	35.02
315000031596	03/31/10	RAI877	I	27371	EWM426-EWMI		48.30	13.03	35.27
315000031598	03/31/10	RAI886	I	27373	EWM426-EWMI		52.21	13.61	38.60
315000031600	03/31/10	NIC870	I	27374	EWM426-EWMI		43.04	13.21	29.83
315000031633	03/31/10	RAI887	I	27372	EWM426-EWMI		54.08	13.33	40.75
315000031634	03/31/10	RAI862	I	27375	EWM426-EWMI		39.99	13.79	26.20
I									

sRpPrfGTN.rpt

Profile: 103150018

Report Grand Totals

40 tickets

Site ID: 315

Clean Earth of Southeast Pennsylvania Profile GTN

Transactions from 03/31/2010 through 03/31/2010

Inbound Tickets Only

Third Party and Intercompany Customers
Sent and Unsent Tickets

Full Details

Page 2 of 2 3/31/2010 5:15PM User ID: JSIRAVO

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Ticket	Date	Truck	In / Out	Manifest	Customer		Gross	Tare	Net
103150018 - Day	co Corp/L.E	E. Carpenter Sup	perfund Site			Global Job Number: 113760		. 12-13-1	
315000031635	03/31/10	RAI890	Ι	27376	EWM426-EWMI		39.86	13.53	26.33
315000031636	03/31/10	RAI872	I	27377	EWM426-EWMI		38.71	13.33	25.38
315000031637	03/31/10	RAI874	I	27378	EWM426-EWMI		37.78	12.81	24.97
315000031638	03/31/10	NIC207	I	27379	EWM426-EWMI		37.17	13.36	23.81
315000031639	03/31/10	RAI889	I	27380	EWM426-EWMI		36.55	13.37	23.18
315000031642	03/31/10	RAI828	I	27381	EWM426-EWMI		36.32	13.22	23.10
315000031643	03/31/10	NIC79	I	27382	EWM426-EWMI		37.37	13.21	24.16
315000031644	03/31/10	GRE208	I	27383	EWM426-EWMI		37.03	13.72	23.31
315000031647	03/31/10	RAI873	I	27384	EWM426-EWMI		40.52	13.40	27.12
315000031648	03/31/10	NIC103	I	27385	EWM426-EWMI		40.00	12.35	27.65
315000031651	03/31/10	RAI805	I	27386	EWM426-EWMI		41.46	13.56	27.90
315000031652	03/31/10	GRE205	I	27387	EWM426-EWMI		41.10	13.76	27.34
315000031653	03/31/10	GRE210	I	27388	EWM426-EWMI		39.57	13.90	25.67
315000031654	03/31/10	GRE209	I	27395	EWM426-EWMI		35.21	13.72	21.49
315000031655	03/31/10	GRE203	I	27394	EWM426-EWMI		39.22	13.46	25.76
315000031656	03/31/10	RAI886	I	27396	EWM426-EWMI		38.98	13.61	25.37
103150018 - Day 40 tickets	co Corp/L.H	E. Carpenter Sup	perfund Sit						1,267.20

7 Steel Road Morrisville,	PA 19067	In:	3150000316 Date 3/31/2010 3/31/2010	Time 17:10:52	Scale Scale 1 P.T.
Ph: (215) 428	-1700 Fax: (215) 428-1704) UMG	SYSTYCOTO	17111194	P's in
			Lbs	Tns	
Manifest:	27396	Gross:	77960	3898	
Vehicle ID:	RA1886	Tares	27220	13.61	
Act 90 Decal:	WH1544	Neta	50740	25.37	
Customer:	EWHI				
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Facility Approval#:	103150018		
Generator:	L.E. Carpenter & Company	Job Name:	Dayco Corp	/L.E. Carp	benter Su
Gen Address:	33587 Walker Rd.	Job Address:	170 N. Mai	n St.	
	Avon Lake, OH 44012		Wharton, N	J 07885	
Origin	Materials & Service	98	Quantity	Unit	
Not Applicable	Soil Treatment Type	e IV	25.37	ĩns	1140 1110 1100 1111 1111 1110 1111 1111
Storage Area: Comment:	Ared 1			1/	

	Court PA 18067 -6900	Docum	273	103802			
THIS SECTION TO	BE COMPLETED BY G	ENERATOR:					
COMPANY NAME/A	ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT		
	er & Company	Site Address:	Ra	pid Response,	bic.		
33587 Walke Avon Lake, (170 N. Main Street Wharton, NJ 07885	24 HOUR EMERGENCY P	HONE # 877-460-1038	18		
QUANTITY	SIZE/TYPE	DESCRIPT	ION	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT	Non-Hazardous Soil, DOTA	RCRA Non-Regulated	103150018	Est. 22 Tons		
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	,	Clean Earth PO#	01-103902-01				
		SPREASER F CLARGE EST S SP SW	W1" WWW.				
lassified, described, poroper condition for tregulations of the DOT		cott c the applicable PRINT NAME	DEPARTURE ,		DATE 3/31/10		
COMPANY NAME		ADDRESS			PHONE NO.		
Rainbow Tru	ciána		hens Park Road lown, NJ 07840		(973) 598 8845		
EHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS		
Hereby certify that the vere accepted for trans	ne above described waste(nsportation at the producer waste facility. Both as liste	r's	Le gylos A	Paric.	3/31/13		
THIS SECTION TO E	BE COMPLETED BY RE	CEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR		
ACILITY NAME Clean E	arth of Southeast	ADDRESS	7 Steel Road East		PHONE NO.		
	ennsylvania	Maria Maria	vrisville, PA 19067		215-428-1700		
COMMENTS			1 / 1				
	above described wastes we that the Facility is authorized such wastes.		Team ///	Har	3/3/// O.		
			Toe Sirav	10			

Ticket: 315000031655 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 3/31/2010 16:55:04 Scale 1 Morrisville, PA 19067 3/31/2010 16:55:26 P.T. Out: Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tns Manifest: 27394 78440 39,22 Gross: Vehicle ID: GRE203 26920 13.46 Tares Act 90 Decal: WH12291 Net: < 51520 25.76 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Wharton, NJ 07885 Avon Lake, OH 44012 Origin Materials & Services Quantity Unit

25.76 Ths

Soil Treatment Type IV

Not Applicable

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970 THIS SECTION TO BE COMPLETED BY GENERATOR:			Docume Job/Pro		2739	103802		
COMPANYCHAME	DDR (Sompany	São Address: 170 N. Main Stree	IN CASE OF EMERGERAL OF EMERGER				AQC.	*
		Wharton, NJ 078		24 HOUR EMERG	ENCY PH	8 <i>PF-</i> 46 0-1038		
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QUANTITY	SIZE/TYPE	Non-Hazardous S	DESCRIPTION	CPA Non Regul	clad	APPROVAL	WEIGHTA	OLUME
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		Clean Ea	1181 PO # 0	1 10202 01	712	3		
			9				A mar	
classified, described, pa	ne above named waste(sackaged, marked, and lab unsportation according to and the EPA.	eled and are in the applicable	avdukiewiez on bo	NATURE half of L.E. Compenter & Con	1		DATE 3/31/10	
THIS SECTION TO E	BE COMPLETED BY H	AULER / TRANSPORT	ER:		* 			
COMPANY NAME Rainbow Trus	king	, A		ens Park Road wn, NJ 07840	** .		PHONE NO. (973) 598	8845
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN		BOX NUMBER-0	OUT		COMMENTS	
	e above described waste sportation at the produce		ATURE <	3		ı	DATE	
	vaste facility. Both as list		S NAME	and Gonze	Der-		3-3/-	-10
THIS SECTION TO E	E COMPLETED BY RE	ECEIVER AT DISPOSAL	FACILITY: (C	DNCE SIGNED, A CO	PY MUST	BE FORWARDE	D TO EWMI AND	GENERATOR)
	arth of Southeast nnsylvania	A		Steel Road East risville, PA 1905	7		PHONE NO. 215-428	1700 /
· .		AUTHORIZED S	IGNATURE	1	4, *		DATE	
	above described wastes we that the Facility is authorized such wastes.	ere "		h				110

Ticket: 315000031654 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East In: 3/31/2010 16:52:50 Scale 1 Morrisville, PA 19067 3/31/2010 16:53:08 P.T. Out: Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tris Manifest: 27395 70420 35,21 Gross: Vehicle ID: GRE209 27440 13.72 Tares Act 90 Decal: WH12291 42980 21.49 Net: Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Materials & Services Origin Quantity Unit 21.49 Tms Mot Applicable Soil Treatment Type IV Storage Area: Area 1

Comments

	ence and Invoices to: Waste Minimization,	Inc.	ument #273	95		
14 Brick Kiln C Northampton, Phone 484-275 Fax 484-275-69	Court PA 18067 5-6900	Job/	Project #	103802	A CONTRACTOR OF THE STATE OF TH	
THIS SECTION TO	BE COMPLETED BY G	ENERATOR:			7-97 - 7-97 - 7-97 - 7-97	
COMPANY NAME/A	ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT	
33587 Walker Road 17		Site Address: 170 N. Main Street	Rapid Response, Inc.			
		Wharton, NJ 07885	24 HOUR EMERGENCY PHONE # 877-460-1038			
QUANTITY	SIZE/TYPE	DESÇRII	PTION	APPROVAL CODE	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous Soil, DO	T/RCRA Non-Regulated	103150018	Est. 22 Tons	
		·				
		Clean Earth PO	# 01-103802-01	du s		
<u> </u>		and the second	and the same of th			
classified, described, p	the above named waste(s) backaged, marked, and labe ransportation according to and the EPA.	led and are in the applicable PRINT NAME	SIGNATURE COMPANY		DATE, 3/10	
THIS SECTION TO	BE COMPLETED BY HA	AULER / TRANSPORTER:	At the standard state, Ame State State of Atlanta and Atlanta and Atlanta State of S			
COMPANY NAME		ADDRESS			PHONE NO.	
Rainbow Tru	cking		ophens Park Road Istown, NJ 07840		(973) 598 8845	
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS	
were accepted for train	he above described waste(snsportation at the producer waste facility. Both as liste	's CHITALKINI	tapata	ata.	O31,31/10	
THIS SECTION TO	BE COMPLETED BY RE	CEIVER AT DISPOSAL FACILITY	Y: (ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR)	
FACILITY NAME	and the second	ADDRESS	7 Steel Road East		PHONE NO.	
P	ennsylvania	<i>t.</i>	Vorrisville, PA 19067		215-428-1700	
COMMENTS			1	1. 2.		
	above described wastes we that the Facility is authorized to such wastes.	I	ie //		3,31.10	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27388 Vehicle ID: GRE210 Act 90 Decal: WH12291 Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd. Avon Kake. OH 44012

Origin Materials & Services

Ticket: 315000031653

Date Time Scale

In: 3/31/2010 16:42:15 Scale 1

Out: 3/31/2010 16:42:34 P.T.

Lbs Tns Gross: 79140 39.57 Tare: 27800 13.90 Net: 51340 25.67

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Wharton, NJ 07885

Quantity Unit

Not Applicable Soil Treatment Type TV

25.67 Ths

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970				Document # 2738 Job/Project #			103802	
HIS SECTION T	O BE COMPLETED BY (GENERATOR:			-		·	
COMPANY NAME/ADDRESS L.E. Carpenter & Company 33587 Walker Road Avon Lake, OH. 44012 Site Address: 170 N. Main Street Wharton, NJ 076			st			CI.		
* شر		· •		24 HOUR EMI		877-460-1038	1	
QUANTITY	SIZE/TYPE	Non-Hiszardous	DESCRIPTION			APPROVAL CODE	WEIGHT/VOLUME	
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***		Clean	Earth PO#0	1-103802-01			334	A.
						Transport To the Control of the Cont		,^
assified, described	at the above named waste(d, packaged, marked, and lab transportation according to	eled and are in	PERATOR'S SIG	SNATURE WILLIAM	A STATE OF THE STA		DATE /	
egulations of the D		the applicable ppi	NT NAMEZ on to	toll of L.E. Capping	ik Company		JAMES STAN	
HIS SECTION T	O BE COMPLETED BY H	IAULER / TRANSPOR	RTER:	· · · · · · · · · · · · · · · · · · ·			5	
OMPANY NAME	rucking		ADDRESS 167 Steph Hackettsio	ens Park Roa wn, NJ 0784	d d 0		PHONE NO. 973 598 8845 () –	N
EHICLE I.D. NO WH IA	n Acc	BOX NUMBER-IN		BOX NUMB	ER-OUT	, y	COMMENTS	
Hereby certify tha	t the above described waste		SNATURE (Dufue		,	DATE	
te for delivery to the reupon.	he waste facility. Both as lis	PRINT DRIVE	R'S NAME	Edissor) Va	lemcia	,3/31/10	
B1 273			*			Tell CRYWRDE	TO EWMI AND GENERA	ГOR)
	Earth of Southeast Pennsylvaria			Steel Road E risville, PA 11		,	PHONE NO. 215-428-1700	
OMMENTS			Mary Au Trans			ar .		
	he above described wastes w	ere	SIGNATURE	1	1 1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		DATE	
elivered to this Faci nd permitted to rec	lity, that the Facility is authori: eive such wastes.	PRINT NAME		1	· ·	g Y	-5.31.10)

Clean Earth of Southeast Kennsylvania 7 Steel Road East Morrisville, PA 19067 Fax: (215) 428-1704 Ph: (215) 428-1700 Manifest: 27387 Vehicle ID: GRE205 Act 90 Decal: WH7092 Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd. Avon Lake, OH 44012

Origin Materials & Services

Not Applicable

Soil Treatment Type IV

Date In: 3/31/2010

16:21:00 Scale 1 Out: 3/31/2010 16:21:27 P.T.

Time

Scale

Lbs Tris Gross: 82200 41.10 27520 13.76 Tare: Net: 54680 27.34

Ticket: 315000031652

Facility Approval#: 103150018 Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

27.34 Tms

Storage Area: Area 1 Comment:

All Correspondence and Invoices to: "

Environment & Rapid Res 14 Brick Kiln Northamptor Phone 484-2 Fax 484-275-	Court n, PA 18067 75-6900	, Inc.	Docume Job/Pro		103802		
THIS SECTION T	O BE COMPLETED BY G	ENERATOR:					
33587 Walker Road 170		Site Address: 170 N. Main Street Wharton, NJ 0788		IN CASE OF EMERGENCY P	•	ACT	4 4
QUANTITY	SIZE/TYPE		DESCRIPTIO		APPROVAL CODE	WEIGHT/VOLUME	
- XX1	y . 01	Mon-Hazardous S	OR, DOTA	CRA Non-Regulated	103150018	Est. 22 Tons	ene y
* · · · · · · · · · · · · · · · · · · ·		. · ·			June 11		in the second se
		Clean Far	th PO#O	1-103802-01		a manage and a sign	******
189 \		79.12.12.12		The state of the s			• .
classified, described	at the above named waste(s I, packaged, marked, and labe r transportation according to OT and the EPA.	eled and are in	RATOR'S SIC	AND COLE Consumber & Company	g),	3/31/10	
THIS SECTION T	O BE COMPLETED BY H	AULER / TRANSPORTE	R:		.·		
COMPANY NAME		1		ens Park Road wm, NJ 07840		PHONE NO. 973 598 8845 () -	
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS	
were accepted for t	t the above described waste(transportation at the produce) he waste facility. Both as liste	r's ///	MODE	ha		DATE	
hereupon.	·	Yora	4 1/	edina_		3-31-1	$\overline{\mathcal{U}}$
THIS SECTION TO	O BE COMPLETED BY RE	CEIVER AT DISPOSAL	ACILITY: (DNCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENER	ATOR)
	Earth of Southeast Pennsylvania	AD		Steel Road East risville, PA 19067		PHONE NO. 215-428-1700	
COMMENTS				3			
	the above described wastes we ility, that the Facility is authoriz eive such wastes.		GNATURE	M	J .	301.10	
		.			. 4		

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Fax: (215) 428-1704 Ph: (215) 428-1700 Manifest: 27386 Vehicle ID: RAI805 Act 90 Decal: WH1544 Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd. Avon Lake, OH 44012

Materials & Services Origin

Wharton, NJ 07885 Quantity Unit

Job Name: Dayco Corp/L.E. Carpenter Sup

Ticket: 315000031651

Out: 3/31/2010

Grossa

Facility Approval#: 103150018

Tare:

Net:

Date

Lbs

82920

27120

55800

Job Address: 170 N. Main St.

In: 3/31/2010 16:18:15

Not Applicable Soil Treatment Type IV 27,90 Tns

Time

16:18:58

Tns

41.46

13.56

27,90

Scale

P.T.

Scale 1

Storage Area: Area 1

All Correspond Environmenta & Rapid Resp 14 Brick Kiln Northampton, Phone 484-27 Fax 484-275-6	Court , PA 18067 5-6900	nc. Docui	ment #273	103802		
THIS SECTION TO	BE COMPLETED BY GEN	NERATOR:				
33587 Walker Road 170		ite Address: 70 N. Main Street Marton, NJ 07885	IN CASE OF EMERGENCY OR SPILL CONTACT APPLICATION OF THE POINTS OF THE			
	₹	•		877-460-1038		
QUANTITY	SIZE/TYPE	DESCRIP	TION	APPROVAL	WEIGHT/VOLUME	
7001	The second secon			103150018	Est. 22 Tons	
					. ``	
	v _{ij}		11-2 4 12-11-11-11			
		Clean Earth PO#	01-103802-01			
				,		
classified, described,	the above named waste(s) a packaged, marked, and labeled transportation according to the T and the EPA.	d and are in Cott	SIGNATURE authory better of L.E. Carpenter & Congressy	:	DATE 3/31/10	
THIS SECTION TO	BE COMPLETED BY HAU	LER / TRANSPORTER:		est.		
COMPANY NAME Reinbow Tr	ucking		ohens Park Road stown, NJ 07840		PHONE NO. 973 598 8845 () -	
VEHICLE I.D. NO.	U STATE	BOX NUMBER-IN R 805	BOX NUMBER-OUT		COMMENTS	
were accepted for tra	the above described waste(s) ansportation at the producer's e waste facility. Both as listed	PRINT ORIVER'S NAME	JUAIS Z		3-31/10	
THIS SECTION TO	BE COMPLETED BY RECE	EIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)	
	Earth of Southeast Pennsylvania		7 Steel Road East orrisville, PA 19067		PHONE NO. 215-428-1700	
COMMENTS	÷,					
	e above described wastes were ty, that the Facility is authorized		1		3.31.10	
and permitted to recei	ve such wastes.	PRINT NAME		· · · · · · · · · · · · · · · · · · ·	1965 W	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Fax: (215) 428-1704 Ph: (215) 428-1700 Manifest: 27385 Vehicle ID: NIC103

Act 90 Decal: WH7892 Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd. Avon Lake, OH 44012

Materials & Services Origin

Ticket: 315000031648 Date Time Scale In: 3/31/2010 16:08:51 Scale 1. Out: 3/31/2010 16:09:11 FL. T.

Tns

40.00 Gross: ABBBB Tare: 24700 12.35 27.65 Net: 55300

Facility Approval#: 103150018

Lbs

Job Name: Dayco Corp/L.E. Carpenter Sup Job Address: 170 N. Main St.

Wharton, NJ 07885 Quantity Unit

27.65 Ths

Soil Treatment Type IV Not Applicable

Storage Area: Area 1

·		· · · · · · · · · · · · · · · · · · ·	and the second of the second o		ž	
	Court PA 18067 i-6900	nc. Dogur	ment #273	85 103802		
THIS SECTION TO	BE COMPLETED BY GEI	NERATOR:	,	- die	· · · · · · · · · · · · · · · · · · ·	
33587 Walker Road 17		Site Address: 70 M. Main Street Marton, NJ 07885	IN CASE OF EMERGENCY OR SPILL CONTACT 24 HOUR EMERGENCY PHONE # 877-460-1039			
OLIANITITY	OIZE/TVDE	DECORIN	FION	APPROVAL	I WEIGHTA/OF LINE	
QUANTITY	SIZE/TYPE	DESCRIPT Non-Hezarcous Sor, DOT		103150018	WEIGHT/VOLUME Est. 22 Tons	
\$ AP 32-						
					<u> </u>	
			AL JOANN AL		***	
		Clean Earth PO#	V1-7U38U2-U1			
classified, described, p	the above named waste(s) backaged, marked, and labele ransportation according to the and the EPA.	d and are in	GNATURE COMPANY AND COMPANY		DATE 3/31/10	
THIS SECTION TO	BE COMPLETED BY HAL	JLER / TRANSPORTER:				
COMPANY NAME Resolow Tru	cking		hens Park Road town, NJ 07840		PHONE NO. 973 598 8845 () -	
VEHICLE I.D. NO. ALN 25 1	P. STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS	
were accepted for transite for delivery to the nereupon.	ne above described waste(s) resportation at the producer's waste facility. Both as listed	PRINT DRIVER'S NAME	Herrando Pus		D3-31-50	
		EIVER AT DISPOSAL FACILITY:		ST BE FORWARDE	D TO EWMI AND GENERATOR)	
	arth of Southeast amsylvania		7 Steel Road East ornsville, PA 19067		PHONE NO. 215-428-1700	
COMMENTS	•		1		i k	
	above described wastes were that the Facility is authorized e such wastes.	i .	1		3.31.10	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 273 Vehicle ID: RATA73 Act 90 Decal: WH1544 Customer: EWNI

Origin

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

Ticket: 315000031647 Date

> 3/31/2010 16:01:30 Scale 1 Outs 3/31/2010 16:01:58 P.T.

Time

Scale

Lbs Tns 81040 40.52 Gross: 13,40 Tare: 26800 27,12 Net: 54240

Facility Approval#: 103150018

Job Address:

Job Name: Dayco Corp/L.E. Carpenter Sup 170 N. Main St.

> Wharton, NJ 07885 Quantity Unit

Not Applicable Soil Treatment Type IV

27.12 Tns

	Court , PA 18067 5-6900	Docur	ment #	103902	
THIS SECTION TO) BE COMPLETED BY GEN	IERATOR:		`. 'y	,
COMPANY NAME/ADDRESS L.E. Carpenter & Company Site 33587 Walker Road 170		ite Address: 70 N. Main Street Vharton, N.J. 07885	IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. 24 HOUR EMERGENCY PHONE #		
			ë,	877-460-1036	
QUANTITY	SIZE/TYPE	DESCRIPT	<u> </u>	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT I	kon-Hazardous Soil, DOT	/RCRA Non-Regulated	103150018	Est. 22 Tons
			· 		
		Clean Earth PO#	01-103602-01		
			•		
classified, described,	the above named waste(s) a packaged, marked, and labeled transportation according to the T and the EPA.	and are in court lo	melipury		DATE 3/31/10
18.97	BE COMPLETED BY HAU	LER / TRANSPORTER:			
COMPANY NAME Rainbow Tre	ucking		thens Park Road town, NJ 07840		973 598 8845
VEHICLÉ I.D. NO. AL3 TOL #	STATE N	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
were accepted for tra	the above described waste(s) ansportation at the producer's a waste facility. Both as listed	PRINT DRIVER'S NAME	Arada		3 31) lo
THIS SECTION TO	BE COMPLETED BY RECE	EIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
	Earth of Southeast Pennsylvania		7 Steel Road East ornisville, PA 19067		PHONE NO. 215-428-1700
COMMENTS					
	e above described wastes were ty, that the Facility is authorized ve such wastes.	AUTHORIZED SIGNATURE PRINT NAME	1		3.3/.(O
)				

Ticket: 315000031644 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East In: 3/31/2010 15:47:50 Scale 1 Morrisville, PA 19067 3/31/2010 15:48:22 Oute P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tns 74060 37.03 Manifest: 27383 Grossi Vehicle ID: GRE208 13.72 27440 Tare: Act 90 Decal: WH12291 Meta 46620 23.31 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Wharton, NJ 07885 Avon Lake, OH 44012 Origin Materials & Services Quantity Unit 23.31 Tns Mot Applicable Soil Treatment Type IV

Storage Area 1

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970		Document # 27383 103802 Job/Project #					
HIS SECTION T	O BE COMPLETED BY GE	ENERATOR:	×.	and Contact			
		Site Address: 170 N. Main Stree Wharton, NJ 078					
	· · · · · · · · · · · · · · · · · · ·						-
QUANTITY	SIZE/TYPE		DESCRIPTION	W. W	APPROVAL CODE	WEIGHT/VOLUME	_
XX1	DT	Non-Hazardous S	Soil, DOTA	RCRA Non-Regulated	103150018	Est. 22 Tons	
						-	-
78							
- 1 P		Çlean Ea	#th PQ#0	11-103602-01			_
assified, described	at the above named waste(s), packaged, marked, and label transportation according to to and the EPA.	ed and are in he applicable	ERATOR'S SIGNATURE	GNATURE 1		DATE 3/31/10	
HIS SECTION T	O BE COMPLETED BY HA	ULER / TRANSPORT	ER:				
OMPANY NAME		А	DDRESS		**************************************	PHONE NO.	•
Rambow Ti	ncking			ens Park Road own, NJ 07840		973 598 8845	
EHICLE I.D. NO.	D. STATE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS	
ere accepted for t	t the above described waste(s ransportation at the producer's ne waste facility. Both as lister	s	<u> </u>	10 mon		DATE	
ereupon.				Momm	1	2/3/1/0	
				ONCE SIGNED, A COPY MU	IST BE FORWARDE	ED TO EWMI AND GENERATOR)	
	Earth of Southeast Pennsylvania	А	and the second s	Steel Road East misville, PA 19067		PHONE NO. 215-428-1700	
OMMENTS							•
				1			
	he above described wastes wer lity, that the Facility is authorize elve such wastes.		SIGNATURE	45		33/./O	
	· · · · · · · · · · · · · · · · · · ·	1					

Ticket: 315000031643 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East In: 3/31/2010 15:46:05 Scale 1 Morrisville, PA 19067 Out: 3/31/2010 15:46:18 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Ths Manifest: 27382 74740 37.37 Grosse Vehicle ID: NIC79 26420 13,21 Tare: Act 90 Decal: WH7892 48320 24, 16 Nets Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Orinin Materials & Services Quantity Unit

24.16 Tns

Soil Treatment Type IV

Not Applicable

All Correspondence and Invoices to:

Environmental Waste Minimization, Inc. & Rapid Response, Inc.		nc. Docu	Document # 27382					
14 Brick Kiln (Northampton,	Court	} 		103802				
Phone 484-275 Fax 484-275-6	5-6900	Job/F	Project #					
	BE COMPLETED BY GEN	L	3.3 gg/m	<u> </u>				
COMPANY NAME/			IN CASE OF EMERGENC	Y OR SPILL CONT	ACT			
L.E. Carpen 33587 Walk		ille Address: 70 N. Main Street	R	Rapid Response, Inc.				
Avon Lake,		Wharton, NJ 07895	24 HOUR EMERGENCY F	24 HOUR EMERGENCY PHONE # 877-460-1038				
QUANTITY	SIZE/TYPE	DESCRIP	TION	APPROVAL CODE	WEIGHT/VOLUME			
XX1	DT I	Von-Hazardeus Soil, DO	T/RCRA Non-Regulated	103150018	Est. 22 Tons			
			, 					
					·			
		Clean Earth PO a	01-103802-01					
Egs.								
		13 pm	***************************************		r, hip.			
classified, described,	the above named waste(s) a packaged, marked, and labeled transportation according to the and the EPA.	I and are in applicable RBINT NAME	SIGNATURE 1 CONTINUE COMPANY		3/31/10			
THIS SECTION TO	BE COMPLETED BY HAU	LER / TRANSPORTER:		e i Sali	•			
COMPANY NAME		ADDRESS		7	PHONE NO.			
Reinbow Tru	icking	•	phens Park Road stown, NJ 07840		973 598 8845			
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS			
AMBSOL 1	(79) NJ	<u> </u>	A	·	*			
	the above described waste(s) insportation at the producer's	DRIVER'S SIGNATURE	Must -		DATE			
site for delivery to the hereupon.	waste facility. Both as listed	PRINT DRIVER'S NAME	y A Gudelo	···	3/31-10			
THIS SECTION TO	BE COMPLETED BY RECE			ST BE FORWARDE	D TO EWMI AND GENERATOR)			
FACILITY NAME	arth of Southeast	ADDRESS	7 Steel Road East		PHONE NO.			
Pennsylvania			lorrisville, PA 19067		215-428-1700			
COMMENTS								
		AUTHORIZED SIGNATURE			DATE			
	e above described wastes were y, that the Facility is authorized			.·	3.31.10			
and permitted to receiv	ve such wastes.	PRINT NAME						

Ticket: 315000031642 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 3/31/2010 15:43:53 Scale 1 Ins Morrisville, PA 19067 3/31/2010 15:44:15 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tns Manifest: 27381 72640 36.32 Grossi Vehicle ID: RAI828 Tares 26440 13.22 Act 90 Decal: WH7892 23.10 46200 Nets Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Wharton, NJ 07885 Avon Lake, OH 44012 Materials & Services Origin Quantity Unit Not Applicable Soil Treatment Type IV 23.10 Tris

All Correspondence and Invoices to: Environmental Waste Minimization, Inc.				072	01	; ·	
& Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970		, 	Document # 27381				
THIS SECTION TO	BE COMPLETED BY C	ENERATOR:	•				
COMPANY NAME/ADDRESS L.E. Carperter & Company Sil 33587 Walker Road 17		Site Address: 170 N. Main Stre Wharton, NJ 078	·· ·	IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. 24 HOUR EMERGENCY PHONE # 877-460-1038			
	·					· · · · · · · · · · · · · · · · · · ·	
QUANTITY	SIZE/TYPE		DESCRIPTIO	N	APPROVAL CODE	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous	Soil, DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons	
	_			Sept.			
3		Çlean E	arth PQ#0	1-103 8 02-01			
A. M. C.			est .	**************************************			
lassified, described, p	the above named waste(sackaged, marked, and lab ansportation according to and the EPA.	eled and are in the applicable	ERATOR'S SIG CUIT CA T NAME Pendidimits on bel	NATURE . LUPUN X MATURE . Company & Company		DATE / 3 / 10	
THIS SECTION TO I	BE COMPLETED BY H	AULER / TRANSPORT	TER:		7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
COMPANY NAME		A	ADDRESS		,	PHONE NO.	
Rambow Tru	cking			ens Park Road ern, NJ 07840		973 598 8845	
/EHICLE 1.D.'NO. 828/A/M	954L N).	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS	
vere accepted for tran	ne above described waste isportation at the produce waste facility. சூoth as list	er's	C NIANET	ind that	na.	3/31/10·	
		CEIVER AT DISPOSA		, , , , , , , , , , , , , , , , , , ,		D TO EWMLAND GENERATOR)	
ACILITY NAME Clean Earth of Southeast Pennsylvania			SAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDS ADDRESS 7 Size Road East Morrisville, PA 19067			PHONE NO. 215-428-1700	
COMMENTS							
	above described wastes w that the Facility is authoria such wastes.		BIGNATURE	4		3.31.10	

Ticket: 315000031639 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 3/31/2010 15:18:28 Scale 1 Morrisville, PA 19067 Out: 3/31/2010 15:18:45 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tns 23100 36,55 Manifest: 27380 Bross: Vehicle ID: RAI889 26740 13.37 Tares Act 90 Decal: WH1544 Net: 46360 23, 18 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Wharton, NJ 07885 Avon Lake, OH 44012 Origin Materials & Services Quantity Unit Not Applicable Soil Treatment Type IV 23.18 Tns

Storage Area: Area 1

	Court PA 18067 5-6900	Docu	ment # 273	103902		
THIS SECTION TO	BE COMPLETED BY GEN	IERATOR:		<u>.</u>		
33587 Walker Road 17		Site Address: 170 N. Main Street		DF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. EMERGENCY PHONE # 877-460-1038		
	······		W_{i_1}	APPROVAL	T	
QUANTITY	SIZE/TYPE	DESCRIP		CODE	WEIGHT/VOLUME	
XX1	DT i	Non-Hazardous Soil, DOT	I/RCRA Non-Regulated	103150018	Est. 22 Tons	
В			300			
				i,		
			1		. N.	
		Clean Earth PO to	F01-103802-01			
	N	A Secretary of the second of t	The second secon		All the second of the second o	
classified, described, p	the above named waste(s) a packaged, marked, and labeled ransportation according to the and the EPA.	d and are in point NAME	SIGNATURE alipu but of LE Company		3/3(/10	
THIS SECTION TO	BE COMPLETED BY HAU	LER / TRANSPORTER:			·	
COMPANY NAME Rainbow Tru	icking	ADDRESS 167 Ste Hackeit	phens Park Road stown, NJ 07840		973 598 8845	
VEHICLÉ I.D. NO. AL 640	STATE NJ	BOX NUMBER-IN	BOX NUMBER-OUT	·	COMMENTS	
were accepted for tra	he above described waste(s) nsportation at the producer's waste facility. Both as listed	PRINT PRIVER'S NAME	v Bernes		DATS -31-10	
THIS SECTION TO	BE COMPLETED BY RECE	EIVER AT DISPOSAL FACILITY:	: (ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR)	
	arth of Southeast ennsylvania		7 Steel Road East lorrisville, PA 19067		PHONE NO. 215-428-1700	
COMMENTS					,	
• •	e above described wastes were y, that the Facility is authorized ye such wastes.	AUTHORIZED SIGNATURE PRINT NAME		, vi	3.31.10	
· · · · · · · · · · · · · · · · · · ·		<u> </u>		+ Mex. 1		

Ticket: 315000031638 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 3/31/2010 15:15:43 Scale 1 Morrisville, PA 19067 Outs 3/31/2010 15:16:03 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tris 74340 37.17 Manifest: 27379 Oross: Vehicle ID: NIC207 Tare: 26720 13.36 23.81 Act 90 Decal: WH7892 Mets 47620 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit Mot Applicable Soil Treatment Type IV 23.81 Ths

Storage Area: Area 1 Comment:

	Court PA 18067 5-6900		Documer Job/Proje		79 103802			
THIS SECTION TO	BE COMPLETED BY	y generator:		where.		· .		
COMPANY NAME/A L.E. Carpent , 33587 Walke	er & Company	Site Address: 170 N. Main Str	net	IN CASE OF EMERGENCY OR SPILL CONTACT Repid Response, Inc.				
		Wharton, NJ 07	7885	24 HOUR EMERGENCY P				
QUANTITY	SIZE/TYPE		DESCRIPTIO	N	APPROVAL CODE	WEIGHT/VQL/UME		
XX1	DT	Non-Hezardous	s Soil, DOT/R	CRA Non-Regulated	103150018	Est 22 Tons		
		Clean	Earth PO # 01	-103802-01				
classified, described, p	the above named was backaged, marked, and ransportation according and the EPA.	labeled and are in to the applicable	INT NAME	NATURE WATER COMPANY COMPANY		DATE 3/31/10		
THIS SECTION TO	BE COMPLETED BY	Y HAULER / TRANSPOR	RTER:					
COMPANY NAME			ADDRESS			PHONE NO.		
Rainbow Tru	cking			ns Park Road vn, NJ 07840		973 598 8845		
VEHICLE I.D. NO.	STATE N. 3	BOX NUMBER-IN	N .	BOX NUMBER-OUT		COMMENTS		
were accepted for train	he above described wa nsportation at the prod waste facility. Both as	lucer's		Peser Beds	y2	03 /31/10		
				NCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
	arth of Southeas ennsylvania	ŧ		Iteel Road East isville, PA 19067		PHONE NO. 215-428-1700		
COMMENTS								
	above described waster	s were) SIGNATURE	4		3.31.10		
and permitted to receiv	•	PRINT NAME				0.01.10		

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Fax: (215) 428-1704 Ph: (215) 428-1700 Manifest: 27378 Vehicle ID: RAI874 Act 90 Decal: WH1544 Customer: EWMI

Generator: L.E. Carpenter & Company

Ticket: 315000031637 Date

3/31/2010 14:44:43 Scale 1 P.T. Outs 3/31/2010 14:45:06

Time

Scale

Lbs Tns 75560 37.78 Grossa 25620 12.81 Tare: 49940 24.97 Neta

Facility Approval#: 103150018 Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Materials & Services Origin

Gen Address: 33587 Walker Rd.

Quantity Unit

Not Applicable Soil Treatment Type IV

Avon Lake, OH 44012

Ths

24.97

All Correspondence and Invoices to:

Environmental Waste Minimization & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970	Docun	Document # 2/3/8 103802 Job/Project #					
THIS SECTION TO BE COMPLETED BY	GENERATOR:	· · · · · · · · · · · · · · · · · · ·					
COMPANY NAME/ADDRESS L.E. Carpenter & Company 33567 Walker Road	Site Address: 170 N. Main Street	IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc.					
Avon Lake, OH. 44012	Wharton, NJ 07865	24 HOUR EMERGENCY P	HONE # 877-460-1038	38 49			
QUANTITY SIZE/TYPE	DESCRIPT	TON	APPROVAL CODE	WEIGHT/VOLUME			
XX1 DY	Non-Hazardous Soil, DOT	/RCRA Non-Regulated	103150018	Est. 22 Tons			
			g phone				
	Clean Earth PO#	01-103802-01		13 14 14 14			
a (pp.) See Company			in production (i.e.,	*			
I Hereby certify that the above named wast classified, described, packaged, marked, and la proper condition for transportation according regulations of the DOT and the EPA.	abeled and are in to the applicable PRINT NAME	SIGNATURE (LANGE & Company between & Company		3/31/10			
THIS SECTION TO BE COMPLETED BY	HAULER / TRANSPORTER:	1	V				
COMPANY NAME	ADDRESS		•	PHONE NO.			
Rainbow Trucking	•	hens Park Road town, NJ 07840		973 598 8845			
VEHICLE I.D. NOB74) STATE ALISO M N.J	BOX NUMBER-IN	BOX NUMBER-OUT	<u> </u>	COMMENTS			
I Hereby certify that the above described was were accepted for transportation at the produ site for delivery to the waste facility. Both as I hereupon.	listed PRINT PRINTERIO NAME	Flores		3 3,110			
THIS SECTION TO BE COMPLETED BY	RECEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	T BE FORWARDE	D TO EWMI AND GENERATOR)			
FACILITY NAME Clean Earth of Southeast Pennsylvania	ADDRESS .	7 Steel Road East ornsville, PA 19067		PHONE NO. 215-428-1700			
COMMENTS							
I Hereby certify that the above described wastes delivered to this Facility, that the Facility is author	· · · · · · · · · · · · · · · · · · ·			DATE			
and permitted to receive such wastes.	PRINT NAME			3.31.10			

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Fax: (215) 428-1704 Ph: (215) 428-1700

Manifest: 27377 Vehicle ID: RAI872 Act 90 Decal: WH1544 Customer: EWMI

Origin

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd. Avon Lake, OH 44012

Materials & Services

77420 38,71 Grossi 26660 13.33 Tares 50760 25.38 Nets

Lbs

Date

3/31/2010

3/31/2010

Time

14:38:09

14:38:25

Tns

Scale

P.T.

Scale 1

Facility Approval#: 103150018 Job Name: Dayco Corp/L.E. Carpenter Sup

> Job Address: 170 N. Main St. Wharton, NJ 07885

Ticket: 315000031636

Ins

forte

Quantity Unit

Not Applicable Soil Treatment Type IV

25.38 Ths

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970		Docur	Document # 27377 103802 Job/Project #					
THIS SECTION TO	BE COMPLETED BY GE	NERATOR:						
		Site Address: 170 N. Main Street Wharton, NJ 07885	reet		ACT Truc.			
QUANTITY	SIZE/TYPE	DESCRIPT	TION	APPROVAL CODE	WEIGHT/VOLUME			
XX1	DT	Non-Hazardous Soil, DOT	/RCRA Non-Regulated	103150018	Est. 22 Tons			
					77436 26660 50760			
		Clean Earth PO#	01-103802-01		5076U			
		· · · · · · · · · · · · · · · · · · ·	**************************************					
classified, described, proper condition for tregulations of the DOT		ed and are in he applicable PRINT NAME	SIGNATURE Signature & Company		3/31/10			
	BE COMPLETED BY HAI		3		BUONE NO			
Rainbow Tru	cking	address 1 67 Step Hacketts	ohens Park Road Hown, NJ 07840		973 598 8845			
VEHICLE I.D. NO.	D STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS			
were accepted for tran	ne above described waste(s) nsportation at the producer's waste facility. Both as listed	6	208CMONT	no	3/3/10			
THIS SECTION TO	BE COMPLETED BY REC	CEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)			
FACILITY NAME Clean Earth of Southeast Pennsylvania			7 Steel Road East orrisville, PA 19067		PHONE NO. 215-428-1700			
COMMENTS								
	above described wastes were that the Facility is authorized e such wastes.				DATE 3/4/10			

Market Control						100
Canan Camba m	f Southeast Pennsylvania		Ticket:	3150000316	35	
7 Steel Road (# *;		Date	Time	Scale
	**** A 25252****		ln:	3/31/2010	14:31:44	Scale 1
Ph: (215) 428	-1700 Fax: (215) 428-1704		1 Out:	3/31/2010	14:32:07	F.T.
				Lbs	Tns	
Manifest:		James Co	Grossa	79720	39.86	
Vehicle ID:	RA1890	÷	Tares	27060	13.53	
Act 90 Decal:	WH1544		Nets	52660	26.33	
Customers	EWMI					
	F	acility Ap	proval#:	103150018		
Generator:	L.E. Carpenter & Company	Je	asmaN dc	Dayco Corp.	/L.E. Carp	enter Sup
Gen Address:	33587 Walker Rd.	Job (Address:	170 N. Mai	n St.	
	Avon Lake, OH 44012	•	May .	Wharton, N	J 07885	
Origin	Materials & Service	\$		Quantity	Unit	
Not Applicable	Soil Treatment Type	IV	***************************************	26.33	Tns	944 W.S. 1557 WHE CORE STAR BERN 17'13 GAT

27376

All Correspondence and Invoices to:

Environmental Waste Minimization, Inc.

& Rapid Resp	onse. Inc.	l D	ocument #				
14 Brick Kiln (Northampton, Phone 484-27 Fax 484-275-6	Court PA 18067 5-6900		ob/Project #	103802	·		
THIS SECTION TO	BE COMPLETED BY GE	enerator:					
33587 Walker Road 170 N		Site Address: 170 N. Main Street Wherton, NJ 07885		IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc.			
is an over a summarising.	AND 8	a not not come of a set.	Wey.	877-460-1038			
QUANTITY	SIZE/TYPE	DESC	CRIPTION	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT	Non-Hazardous Soil, D	DOT/RCRA Non-Regulated	103150018	Est. 22 Tons		
1 12.0			·				
	2	Clean Earth P	°O # 01-103802-01				
		. פער		-	٠,		
classified, described,	the above named waste(s) packaged, marked, and label transportation according to t I and the EPA.	led and are in the applicable PRINT NAM	P'S SIGNATURE CALLY JE TE TE TE TE TE TE TE TE TE		DATE 3/31/10		
THIS SECTION TO	BE COMPLETED BY HA	ULER / TRANSPORTER:					
COMPANY NAME Reinfow Tr	scking		SS Stephens Park Road kattstown, NJ 07840		973 598 8845		
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS		
AM 191	ENT				,		
were accepted for tra	the above described waste(s ansportation at the producer's waste facility. Both as listed	s	191	· Comment	3.3/·10		
THIS SECTION TO	BE COMPLETED BY REC	CEIVER AT DISPOSAL FACIL	LITY: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
	Earth of Southeast 'ennsylvania	ADDRE	7 Steel Road East Morrisville, PA 19067		PHONE NO. 215-428-1700		
COMMENTS			1				
	e above described wastes wer ty, that the Facility is authorize ve such wastes.	re	AUTHORIZED SIGNATURE PRINT NAME				
BV-19774-2-327-17-17-17-17-17-17-17-17-17-17-17-17-17	• •	<u> </u>		<u></u>	<u> </u>		

Ticket: 315000031634 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East In: 3/31/2010 14:29:00 Scale 1 Morrisville, PA 19067 Out: 3/31/2010 14:29:25 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs The Manifest: 27375 Grossa 79980 39.99 Vehicle ID: RAI862 27580 13.79 Tares Act 90 Decal: MH7892 Nets 52400 26.20 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit

26.20 Ths

Soil Treatment Type IV

Not Applicable

Storage Area: Area 1

63	Carlot Maria	<u> </u>	F +4.7				
All Correspond Environmental & Rapid Respondental 14 Brick Kiln On Northampton, Phone 484-275 Fax 484-275-69	Waste Monse, Ind Court PA 1806 5-6900	Minimizatio :		Documo Job/Pro		75 103902	
HIS SECTION TO	ве сомі	PLETED BY	GENERATOR:				
COMPANY NAME// L.E. Carpen 33587 Walk Avon Lake, (ter & Co er Road	mpany	Site Address: 170 N. Main Stree Wharton, NJ 078		IN CASE OF EMERGENCY 24 HOUR EMERGENCY P	pid Response,	inc.
QUANTITY	SIZE/	TYPE		DESCRIPTION	11	APPROVAL CODE	WEIGHT/VOLUME
XX1		DT	Non-Hazardous	Soil, DOTA	RCRA Non-Regulated	103150018	Est. 22 Tons
	e e e e e e e e e e e e e e e e e e e			*.			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							57 × \$
	· · · · · · · · · · · · · · · · · · ·			wth PO#0	11-103802-01		
	· · · · · · · · · · · · · · · · · · ·			-			
Hereby certify that assified, described, proper condition for t egulations of the DOT	packaged, nansportation and the EF	narked, and laten on according to PA.	peled and are in the applicable	NAME	GNATURE JULY A COMPANY		3 3 1 10
OMPANY NAME	BE COM	TETED BY F	HAULER / TRANSPORT	ER: DDRESS	W		PHONE NO.
Rambow Tru	cking		^	167 Steph	ens Park Road own, NJ 07640		973 598 8845
EHICLE I.D. NO.		STATE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS
91 251 8	ingree .	No	# 862	7	·		
Hereby certify that t ere accepted for tra te for delivery to the	nsportation	at the produc	e(s) DRIVER'S SIGN	ATURE			3-31-10
ereupon.			VIII	fion	Little		
HIS SECTION TO	BE COMP	LETED BY R	ECEIVER AT DISPOSAL	FACILITY: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
	arth of S ennsylva	Southeast mia	A		Steel Road East Tisville, PA 19067		PHONE NO. 215-428-1700
OMMENTS		1			1		
Hereby certify that the elivered to this Facility and permitted to receive	, that the Fa	acility is authori	1 (IGNATURE	1		3.71.10

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27372 Vehicle ID: RAI887 Act 90 Decal: WH1544 Customer: EWMI

Gen Address: 33587 Walker Rd.

Generator: L.E. Carpenter & Company

Facility Approval#: 103150018

Tare:

Meta

Job Name: Dayco Corp/L.E. Carpenter Sup

Scale

P.T.

Scale 1

Time

Tris

54,08

13.33

40.75

Job Address: 170 N. Main St. Wharton, NJ 07885

Gross: 108160

Ticket: 315000031633

Date

Lbs

26660

81500

In: 3/31/2010 14:13:28

Out: 3/31/2010 14:13:43

Drigin

Materials & Services

Avon Lake, OH 44012

Quantity Unit

Not Applicable

Soil Treatment Type IV

40.75 Tris

Storage Area: Area 1 Comment:

Sprivera

Facility:

Siravo, Joseph M

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Documen Job/Proje		103802	· · · · · · · · · · · · · · · · · · ·
THIS SECTION TO	BE COMPLETED BY (GENERATOR:				
33587 Walke	er & Company er Road	São Address: 170 N. Main Street			pid Response,	
Avon Lake, ()H. 44012	Whaton, NJ 0788	5	24 HOUR EMERGENCY P	HONE # 877-460-1038	
QUANTITY	SIZE/TYPE	D	ESCRIPTION	l	APPROVAL CODE	WEIGHT/VOLUME
XX1	TO	Non-Hazardous So	oil, DOT/RO	CRA Non-Regulated	103150018	Est. 22 Tons
					``	
			,			
		Clean Ear	th PO#01	-103802-01		
		1		4		
lassified, described, p	the above named waste(ackaged, marked, and lab ansportation according to	peled and are in		VATURE LIKE		3/3(/ID
egulations of the DOT		Scott Pan	sinkfankz on juh	d of LE Company		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BE COMPLETED BY F	IAULER / TRANSPORTER				I
COMPANY NAME	 :		DRESS IR7 Stanha	ns Park Road		PHONE NO.
Rainbow Tru	cking			m, NJ 07840		973 598 8845
VEHICLE I.D. NO.	S STATE	BOX NUMBER-IN	7.	BOX NUMBER-OUT	17	COMMENTS
vere accepted for tran	ne above described wastensportation at the produce	er's	TURE	よし	<u> </u>	DATE
ite for delivery to the ereupon.	waste facility. Both as lis	ted PRINT DRIVERS	200 T	-Carden	us s	3/31/10
HIS SECTION TO E	BE COMPLETED BY R	ECEIVER AT DISPOSAL F	FACILITY: (OI	NCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR
	arth of Southeast emsylvania	ADI	- 1.35 to 16-4	teel Road East sville, PA 19067		PHONE NO. 215-428-1700
COMMENTS	N.			2		
• •	above described wastes w	1	SNATURE /	1		3.31.10

Marian Environment	f Southeast Pennsylvania	Ticket:	3150000316	00°	
7 Steel Road		. 3	Date	Time	Scale
Morrisville,		Ins	3/31/2010	11:29:00	Scale 1
Ph: (215) 428		, Out:	3/31/2010	11:29:18	P.T.
	and the second s		Lbs	Tns	
Manifest:		"Gross:	86080	43.04	
Vehicle ID:	NIC870	Tares	26420	13.21	
Act 90 Decal:	WH7892	Net:	59660	29.83	
Customer:	EWMI		-	•	
	Facil	ity Approval#:	103150018		
Generators	L.E. Carpenter & Company		Dayco Corp.		enter Sup
Gen Address:	33587 Walker Rd.	Job Address:	170 M. Mai	n St.	
	Avon Lake, OH 44012		Wharton, N	J 07885	
Drigin	Materials & Services	e e e	Quantity	Unit	
Not Applicable	Soil Treatment Type IV		29, 83	Tns	ar 1900 6499 arri 2900 cres 6410 cres 6410
· ·					

Storage Area: Area 1 Comment:

	e market	36		- 454)	4.3	• 5				
All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970					Docume Job/Proj	À.	273	74 103802		
THIS SECTION TO	BE COMF	PLETED BY	GENERATOR	₹:						•
33587 Walker Road 170		170 N. N	ite Address: 70 N. Main Street Warton, NJ 07885 IN CASE OF EMERGEN 24 HOUR EMERGENCY			Ra	pid Response,	inc.		
							121		1	
QUANTITY	ITY SIZE/TYPE DI				DESCRIPTIO			APPROVAL CODE	WEIGHT/VOL	
XX1	E	TC	Non-Ha	zardous S	oil, DOT/F	RCRA Non-Re	guiated	103150018	Est. 22 Ton	S
	· ·									
				Clean Ea	rth PO#0	1-103902-01				
	* 20 s					15.	. ,			
Hereby certify that classified, described, poroper condition for tregulations of the DOT	ackaged, mansportation	narked, and lat n according to	beled and are	in le PRINT	est la	NATURE \	а.Остр ич		3/31/10	
THIS SECTION TO	ВЕ СОМР	LETED BY H	HAULER / TF	RANSPORTE	R:				<u> </u>	
COMPANY NAME	proprieta			AC	DRESS				PHONE NO.	
Rairbow Tru	cking				167 Stephens Park Road Hackettstown, NJ 07840				973 598 88	145
AMI 94 E		STATE	BOX NU	MBER-IN	,	BOX NUMB	ER-OUT		COMMENTS	
Hereby certify that the above described waste(s) vere accepted for transportation at the producer's lite for delivery to the waste facility. Both as listed PRINT DRIVER				'ER'S SIGNA	a secondary				DATE ()	
ereupon.						as Onla				
THIS SECTION TO I	BE COMPI	LETED BY R	ECEIVER AT	DISPOSAL	FACILITY: (0	ONCE SIGNED,	A COPY MUS	ST BE FORWARDE	D TO EWMI AND GE	NERATOR)
FACILITY NAME Clean E Po	arth of S ennsylva			AD	- 4	Steel Road Ensville, PA 1		•	PHONE NO. 215-428-1 7	700
COMMENTS										:
elivered to this Facility	Hereby certify that the above described wastes were elivered to this Facility, that the Facility is authorized and permitted to receive such wastes. AUTHORIZED PRINT NAME				GNATURE	1/	/ つ		DATE 3.31.1	0

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27373 Vehicle ID: RAI886 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Origin Materials & Services

Not Applicable

Soil Treatment Type IV

Ticket: 315000031598

Scale Date Time 3/31/2010 11:15:09 Scale 1 Out: 3/31/2010 11:15:44 P. T.

Lbs Ins 104420 52.21 Gross: 13.61 Tares 27220 Not: 77200 38.60

Facility Approval#: 103150018

Job Mame: Dayco Corp/L.E. Carpenter Sup Job Address: 170 N. Main St.

Wharton, NJ 07885

Quantity Unit

38.60 Ths

Storage Area: Area 1 Comment:

All Correspondence and Invoices to:

Environmenta & Rapid Resp 14 Brick Kiln Northampton Phone 484-27 Fax 484-275-6	oonse, Inc. Court , PA 18067 75-6900	Docum		103802	
THIS SECTION TO	O BE COMPLETED BY G	ENERATOR:			
33587 Walker Road 17		Site Address: 170 N. Main Street Wharton, NJ 07895	Ra	PHONE #	inc.
			in the second se	8/1-460-1036	
QUANTITY	SIZE/TYPE	DESCRIPTI	ION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Total			
			N.		
		Clean Earth PO#	01-103802-01	A, Ž	
			Y .	***	
classified, described,	packaged, marked, and labe transportation according to	eled and are in the applicable	whiten		DATE 3/31/10
THIS SECTION TO	D BE COMPLETED BY H	AULER / TRANSPORTER:			
COMPANY NAME	ucking	167 Stepi			
VEHICLE I.D. NO. ALG3º		BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
were accepted for tr	the above described waster ansportation at the produce e waste facility. Both as liste	r's	frontos!	Jonn	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
THIS SECTION TO	BE COMPLETED BY RE	ECEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
	Earth of Southeast Pennsylvania	7			
COMMENTS					
	ne above described wastes we ity, that the Facility is authoriz ive such wastes.	/	1		331.10
		. 26 1			

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27371 Vehicle ID: RAI877 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd. Avon Lake, OH 44012

Materials & Services Origin

Ticket: 315000031596

Date Time Scale 3/31/2010 11:10:01 Ins Scale 1 Oute 3/31/2010 11:10:22 D.T.

Tms Lbs 96600 48.30 Gross: 26060 13.03 Tarea Met: 70540 35.27

Facility Approval#: 103150018 Job Name: Dayco Corp/L.E. Carpenter Sup

> Job Address: 170 N. Main St. Wharton, NJ 07885

> > Quantity Unit

Soil Treatment Type IV

35.27 Tns

Not Applicable

All Correspondence and Invoices to:

Environmenta & Rapid Resp 14 Brick Kiln (Northampton, Phone 484-275 Fax 484-275-6	Court PA 18067 5-6900	nc.		DATE 3/31/10 SS SIGNATURE COMMENTS SECONDAMENT OF LE COMMENTS DATE 3/31/10 SS DEPTHER Park Road Edition, NJ 07840 BOX NUMBER-OUT DATE 3/31/10 COMMENTS DATE 3/31/10 DATE 3/31/10 PHONE NO. DATE 3/31/10 DATE 3/31/10 PHONE NO. PHONE NO. DATE 3/31/10 PHONE NO. PHONE NO. PHONE NO. PHONE NO. PHONE NO. PHONE NO. 215-428-1700			
THIS SECTION TO	BE COMPLETED BY GEN	NERATOR:					
COMPANY NAME/ L.E. Carpon 33587 Walk Avon Lake,	ter & Company S or Road 1	Site Address: 170 N. Main Street Wharton, NJ 07885			Rap	id Response,	
	· · · · · · · · · · · · · · · · · · ·	,		1.		377-46 0-1038	
QUANTITY	SIZE/TYPE	DE	SCRIPTIO	N	4		WEIGHT/VOLUME
XX1		Non-Hazardous Soi	L DOTAR	CRA Non-Regulate	×d .		Est. 22 Tons
				· · · · · · · · · · · · · · · · · · ·			
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	2						
	**	Clean Earth	PO#01	1-103802-01		-	
en geringer en				\mathbf{j}	18 18	San Carlo	
classified, described,	the above named waste(s) a packaged, marked, and labeled transportation according to the T and the EPA.	d and are in e applicable	AME	willy		, Ale	DATE / 3/31/10
THIS SECTION TO	BE COMPLETED BY HAU	ILER / TRANSPORTER:	•	· · · · · · · · · · · · · · · · · · ·			
COMPANY NAME		ADD ا	RESS				PHONE NO.
Rainbow Tru	cking	16					973 598 8845
VEHICLE ID NO. 7	Y STATE N.J.	BOX NUMBER-IN		BOX NUMBER-OU	Т		COMMENTS
were accepted for tra site for delivery to the hereupon.	the above described waste(s) insportation at the producer's waste facility. Both as listed		orge				3/31/10
THIS SECTION TO	BE COMPLETED BY REC	EIVER AT DISPOSAL FA	ACILITY: (C	NCE SIGNED, A COPY	MUST	BE FORWARDE	D TO EWMI AND GENERATOR)
	Earth of Southeast ennsylvania	ADDI					
COMMENTS							
	e above described wastes were y, that the Facility is authorized we such wastes.		NATURE	D			l '
			ت المد				

Ticket: 315000031594 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 11:06:24 3/31/2010 Scale 1 Morrisville, PA 19067 3/31/2010 Out: 11:06:49 P.T. 428-1704 Ph: (215) 428-1700 Fax: (215) Lbs Tns 97480 48.74 Manifests 27357 Gross: Vehicle ID: GRE209 27440 13.72 Tare: 70040 35.02 Act 90 Decal: WH12291 Nets Customers EWIL Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Wharton, NJ 07885 Avon Lake, OH 44012 Quantity Unit Origin Materials & Services

35.02 Tns

Soil Treatment Type IV

Not Applicable

All Correspondence and Invoices to:

& Rapid Resp 14 Brick Kiln (Northampton,	Carponier & Company Site Address: 170 N. Main St. Wharton, N.J. C. Carponier & Company Site Address: 170 N. Main St. Wharton, N.J. C. Class Certify that the above named waste(s) are properly described, packaged, marked, and labeled and are in positional transportation according to the applicable soft the DOT and the EPA. CITION TO BE COMPLETED BY HAULER / TRANSPONY NAME PROVE Trucking E. I.D. NO. STATE BOX NUMBER-I Certify that the above described waste(s) pated for transportation at the producer's pated for transportation at	Do	cument #	273	103802	
THIS SECTION TO	BE COMPLETED BY GE	NERATOR:				
L.E. Carpen	ter & Company	Site Address: 170 N. Main Street	IN CASE OF E		OR SPILL CONT. pid Response,	
Avon Lake,	OH. 44012	Wharton, NJ 07885	24 HOUR EME	ERGENCY P	HONE # 877-460-1038	
QUANTITY	SIZE/TYPE	DESCF	RIPTION	•	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hezardous Soil, D	OT/RCRA Non-Re	gulated	103150018	Est. 22 Tons
			· ·			
ė.				<u> </u>		
						3
- No. 1	•					
		Cleen Earth PC	# 01-103802-01			
wa jer						
classified, described, proper condition for t	packaged, marked, and labele transportation according to the	ed and are in ne applicable PRINT NAME	S.SIGNATURE	& Company		3/31/10
THIS SECTION TO	BE COMPLETED BY HAI	JLER / TRANSPORTER:				
COMPANY NAME		ADDRES	S		-	PHONE NO.
Rainbow Tru	icking		tephens Park Roa atstown, NJ 0784			973 598 8845
VEHICLE I.D. NO. AM637	1 · ·	BOX NUMBER-IN	BOX NUMB	ER-OUT		COMMENTS
were accepted for tra	insportation at the producer's	17157100	1 tapata 10n zap	alle		03 /31 /10
THIS SECTION TO	BE COMPLETED BY REC	EIVER AT DISPOSAL FACILI	TY: (ONCE SIGNED, A	COPY MUS	T BE FORWARDE	D TO EWMI AND GENERATOR)
		ADDRES	S 7 Steel Road E. Morrieville, PA 19			PHONE NO. 215-428-1700
COMMENTS				*		\$ 15%
	e above described wastes were y, that the Facility is authorized we such wastes.		RE			3. 31.10
	2.4		A		<u> </u>	

Ticket: 315000031593 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East In: 3/31/2010 11:04:47 Scale 1 Morrisville, PA 19067 Out: 3/31/2010 11:05:12 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tris Manifest: 27367 53.03 Grossa 106060 Vehicle ID: GRE203 26920 13.46 Tares Act 90 Decal: WH12291 Net: 79140 39.57 Customer: EWMI Facility Approval#: 103150018 Job Name: Dayco Corp/L.E. Carpenter Sup Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Wharton, NJ 07085 Avon Lake, OH 44012 Materials & Services Quantity Unit Origin 39.57 Not Applicable Soil Treatment Type IV Tns

Storage Area: Area 1 Comment:

		ψ.			
	ourt PA 18067 -6900			103802	
THIS SECTION TO	BE COMPLETED BY G	BENERATOR:			
COMPANY NAME/A L.E. Carpent 33587 Walks Avon Lake, C	er & Company or Road	Site Address: 170 N. Main Street Wharton, NJ 07885	IN CASE OF EMERGENCY F	apid Response,	inc.
QUANTITY	SIZE/TYPE	DESCRIPT		APPROVAL	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DOT		103150018	Est. 22 Tons
		·			
	-				
		Clean Earth PO#	01-103902-01		
198			The second secon		ud.
classified, described, p	the above named waste(ackaged, marked, and lab ansportation according to and the EPA.	eled and are in the applicable PRINT NAME	EMPTURE		3/31/10
THIS SECTION TO	BE COMPLETED BY H	IAULER / TRANSPORTER:		20.	
COMPANY NAME			hens Park Road		PHONE NO. 973 598 8845
Rainbow Tru	cking	Hacketts	iown, NJ 07840		() 390 00-0
203	N J	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
were accepted for tran	ne above described wastensportation at the produce waste facility. Both as list	er's	in A		3-31-10
hereupon.			Tontal		
	BE COMPLETED BY RI	ECEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MU	ST BE FORWARDE	The state of the s
i i	arth of Southeast ennsylvania		7 Steel Road East xrisville, PA 19067		PHONE NO. 215-428-1700
COMMENTS			4		
	above described wastes w , that the Facility is authorize e such wastes.		1		3.31.10

gladiction how Ticket: 315000031592 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 3/31/2010 11:02:59 Scale 1 Morrisville, PA 19067 Outs 3/31/2010 11:03:13 P.T. Fax: (215) 428-1704 Ph: (215) 428-1700 Tris Lbs 52.00 Manifest: 27365 104000 Gross: Vehicle ID: GRE210 27800 13.90 Tares Net: 76200 38.10 Act 90 Decal: WH12291 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Wharton, NJ 07885 Avon Lake, OH 44012 Materials & Services Quantity Unit Origin Not Applicable Soil Treatment Type IV 38.10 Ths

Storage Area: Area 1 Comment:

	Contract of the second		<u> </u>		·	
	Court PA 18067 5-6900	Inc.		APPROVAL CODE APPROVAL CODE INDOTRCRA Non-Regulated 103150018 Est. 22 Tons APPROVAL CODE Est. 22 Tons APPROVAL CODE Est. 22 Tons DATE 3/31/10 APPROVAL CODE Est. 22 Tons DATE 3/31/10 PHONE NO. 973 598 8845 BOX NUMBER-OUT DATE JATE JAT JAT		
HIS SECTION TO	BE COMPLETED BY GE	NERATOR:				
33587 Walker Road 17		Site Address: 170 N. Main Stree Wharton, NJ 078		Re	pid Response,	
					877- 4 60-1038	
QUANTITY	SIZE/TYPE		DESCRIPTION		APPROVAL	WEIGHT/VOLUME
XX1	DT	Mon-Hazardous S	Soil, DOY/RO	CRA Non-Regulated		<u> </u>
	11.50					
		Clean Ea	wth PQ # 01	-103802-01		
lassified, described, p	the above named waste(s) backaged, marked, and label ransportation according to the	ed and are in he applicable	TNAME	why		1. //
	BE COMPLETED BY HA	<u> </u>				
OMPANY NAME			DDRESS			PHONE NO.
Rainbow Tru	rking			The state of the s		
EHICLE I.D. NO. 94 6380 WH	12291 NJ	BOX NUMBER-IN	w:	BOX NUMBER-OUT		COMMENTS
ere accepted for tra	he above described waste(s nsportation at the producer's waste facility. Both as listed	S		Edisson 1	Vollence	
HIS SECTION TO	BE COMPLETED BY REC	L DEIVER AT DISPOSAL	FACILITY: (Of	<u> </u>	-	
	ernsylvania	Al	A C]
OMMENTS						
	e above described wastes were, that the Facility is authorized to such wastes.		IGNATURE	The state of the s	· · · · · · · · · · · · · · · · · · ·	1 ' '

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27366 Vehicle ID: GRE205 Act 90 Decal: WH7892 Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd. Avon Lake, OH 44012

.

Ticket: 315000031591

Date Time Scale
In: 3/31/2010 11:01:04 Scale 1
Out: 3/31/2010 11:01:26 P.T.

Lbs Tns
Gross: 104640 52.32
Tare: 27520 13.76
Net: 77120 38.56

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

Origin Materials & Services

Not Applicable Soil Treatment Type IV

38.56 Ths

Document #

27366

All Correspondence and Invoices to:

Environmental Waste Minimization, Inc.

& Rapid Respo 14 Brick Kiln C Northampton, Phone 484-275 Fax 484-275-69	Court PA 18067 -6900	· · · · · · · · · · · · · · · · · · ·	/Project #	103802			
THIS SECTION TO	BE COMPLETED BY GE	NERATOR:					
COMPANY NAME/A LE. Carpent 33587 Walks	er & Company S	Site Address: 70 N. Main Street	•	IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc.			
		Mharton, NJ 07865	24 HOUR EMERGENCY F	24 HOUR EMERGENCY PHONE # 877-460-1038			
QUANTITY	SIZE/TYPE	DESCRI	PTION	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT	Non-Hazardous Soil, DC	OT/RCRA Non-Regulated	103150018	Est. 22 Tons		
7770		Clean Earth PO	# 01-103802-01				
classified, described, proper condition for tr regulations of the DOT	ackaged, marked, and labele ansportation according to th	e applicable PRINT NAME	SIGNATURE CONSTRUCTION OF THE CONTROL OF THE CONTRO		DATE 3/31/10		
COMPANY NAME		ADDRESS		10, E	PHONE NO.		
Rainbow Tru	cking	167 St	ephens Park Road listown, NJ 07840		973 598 8845		
VEHICLE I.D. NO.	A NT	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS		
were accepted for tran	ne above described waste(s) isportation at the producer's waste facility. Both as listed	PRINT DRIVER'S NAME	edina		3-31-10		
THIS SECTION TO I	BE COMPLETED BY REC	EIVER AT DISPOSAL FACILIT	Y. (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
	arth of Southeast ennsylvania	ADDRESS	7 Steel Road East Morrisville, PA 19067		PHONE NO. 215-428-1700		
COMMENTS							
*** /** *	above described wastes were that the Facility is authorized such wastes.	11.0	AE /		3.31.10		
			(

Ticket: 315000031590 Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704 Manifest: 27370 Gross: Vehicle ID: RAIA05 Tares Act: 90 Decal: WH1544 Nets Customer: EWMI Job Name: Dayco Corp/L.E. Carpenter Sup Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Date Time Scale In: 3/31/2010 10:58:51 Scale 1 Out: 3/31/2010 10:59:18 P.T.

Tres Lbs 48.32 96640 27120 13.56 69520 34.76

Facility Approval#: 103150018

Job Address: 170 N. Main St.

Wharton, NJ 07885

Origin Materials & Services

Avon Lake, OH 44012

Quantity Unit

Not Applicable Soil Treatment Type IV 34.76 Ths

Storage Area: Area 1 Comment:

Environmental Waste Minimization, Inc. & Rapid Response, Inc.		nc.	Document # 27370				
14 Brick Kiln C Northampton, Phone 484-275 Fax 484-275-69	Court PA 18067 i-6900		Job/Project #		103802		
THIS SECTION TO	BE COMPLETED BY GEI	NERATOR:	<u> </u>				
		Site Address: 70 N. Main Street Marton, NJ 0788		IN CASE OF EMERGENC	pid Response,		
,	``		_		877-480-1038	**************************************	
QUANTITY	SIZE/TYPE		DESCRIPTIO	N 79	APPROVAL CODE	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous S	oil, DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons	
						\(\frac{1}{\text{\tin}\text{\ti}\text{\texit{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\titt{\text{\texit{\text{\tet{\text{\text{\text{\text{\text{\texi}\text{\texi}\texit{\t	
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						yionit .	
		Clean Ear	th PO#0	1-103802-01			
		· · · · · · · · · · · · · · · · · · ·				(A).	
classified, described, p	the above named waste(s) backaged, marked, and labele ransportation according to the and the EPA.	d and are in e applicable	NAME	ANATURE WHATER Company	was a second	DATE 3/31/10	
THIS SECTION TO	BE COMPLETED BY HAU	JLER / TRANSPORTE	R:	, 	100		
COMPANY NAME	cking	1		ens Park Road wn, NJ 07840	V	PHONE NO. 973 598 8845	
VEHICLE I.D. NO. AL 862 (STATE N.J.	BOX NUMBER-IN R 805		BOX NUMBER-OUT		COMMENTS	
were accepted for train	he above described waste(s) nsportation at the producer's waste facility. Both as listed	1	NAME	WZ9182		3-31/10	
THIS SECTION TO	BE COMPLETED BY REC	EIVER AT DISPOSAL	FACILITY: (C	DNCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)	
	enth of Southeast ennsylvania	AD		Steel Road East risville, PA 19067		PHONE NO. 215-428-1700	
COMMENTS							
	above described wastes were that the Facility is authorized the such wastes.		GNATURE	2	÷	3 3/. 10	
	Ale Sp.			Maria de la compansión de	***	1	

Ticket: 315000031589 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East In: 3/31/2010 10:56:19 Scale 1 Morrisville, PA 19067 Out: 3/31/2010 10:56:37 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tris Manifest: 27369 Gross: 108020 54.01 Vehicle ID: NIC103 24700 12.35 Tares Act 90 Decal: WH7892 Neta 83320 41,66 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07805 Origin Materials & Services Quantity Unit Soil Treatment Type IV Not Applicable 41.66 Ths

Storage Area: Area 1

	Court , PA 18067 5-6900	on, Inc. Docur	ment # 273	103802		
HIS SECTION TO	BE COMPLETED BY	GENERATOR:				
33587 Welker Road 11		Site Address: 170 N. Main Street		pid Response,		
		Wharton, NJ 07885	24 HOUR EMERGENCY P	PHONE # 877-460-1038		
QUANTITY	SIZE/TYPE	DESCRIPT	TION	APPROVAL CODE	WEIGHT/VOLUME	_
XX1	DT	Non-Hazardous Soil, DOT	/RCRA Non-Regulated	103150018	Est. 22 Tons	_
		-				
\$45 3 40	a ^{ET} n	e e				
		que				
		·				
	*	Clean Earth PO#	01-103802-01			
// /					189. 11 kg	
lassified, described,	the above named wast packaged, marked, and le transportation according T and the EPA.	abeled and are in to the applicable PRINT NAME	SIGNATURE CONTROL OF LE Company		3/31/10	_
		HAULER / TRANSPORTER:				-
OMPANY NAME		ADDRESS			PHONE NO.	#
Rainbow Tro	ucking		ohens Park Road stown, NJ 07840		973 598 8845	
EHICLE I.D. NO.	STATE N	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS	_
ere accepted for tra	the above described was ansportation at the produ	ıcer's	1 Harris Constitution		DATE // 2-31-10	
ite for delivery to the ereupon.	e waste facility. Both as l	listed PRINT DRIVER'S NAME	Robbins RUSA in	na san 1979	The fact of the second	
HIS SECTION TO	BE COMPLETED BY	RECEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
	Earth of Southeast Pennsylvania		7 Steel Road East ornsyille, PA 19067		PHONE NO. 215-428-1700	
COMMENTS						_
• •	e above described wastes	were AUTHORIZED SIGNATURE			DATE 331.10	_
elivered to this Facili nd permitted to recei	ty, that the Facility is authorive such wastes	PRINT NAME	a signature of the sign			

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27364 Vehicle ID: RAI873 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Tičketí 315000031583

Date Time Scale
In: 3/31/2010 10:45:47 Scale 1
Out: 3/31/2010 10:46:15 P.T.

Lbs Tns Gross: 104580 52.29 Tare: 26800 13.40 Net: 77780 38.89

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Wharton, NJ 07885 Quantity Unit

Origin Materials & Services

Soil Treatment Type IV

38.89 Tns

Storage Area: Area 1 Comment:

Dri Ome

Not Applicable

Facility:

Siraya, Joseph I

Environmental & Rapid Respo		Docur	Document # 27364				
14 Brick Kiln Court Northampton, PA 18067		,	*	103802			
Phone 484-275 Fax 484-275-69		JOD/P	roject #				
THIS SECTION TO	BE COMPLETED BY GEN	IERATOR:					
COMPANY NAME/ADDRESS L.E. Carperter & Company 33587 Welker Road 170 N. Main Stre		ite Address: 70 N. Main Street	IN CASE OF EMERGENC	ACT			
Avon Lake, (Whenton, NJ 07885	24 HOUR EMERGENCY F	PHONE # 877-460-1038			
QUANTITY	SIZE/TYPE	DESCRIPT	TION	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT I	ion-Hazardous Soil, DOT	TRCRA Non-Regulated	103150018	Est. 22 Tons		
		· · · · · · · · · · · · · · · · · · ·					
			· · · · · · · · · · · · · · · · · · ·				
	·	<u> </u>			A		
		Clean Earth PO #	01-103802-01				
22 (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	**************************************				A CONTRACTOR		
classified, described, p	the above named waste(s) a ackaged, marked, and labeled ansportation according to the and the EPA.	and are in cold to applicable PRINT NAME	SIGNATURE 11 CAMPILLE COMPANY SUMMER & COMPANY		3/31/10		
THIS SECTION TO	BE COMPLETED BY HAU	LER / TRANSPORTER:					
COMPANY NAME		ADDRESS			PHONE NO.		
Rainbow Tru	cking		phens Park Road stown, NJ 07840		973 598 8845		
VEHICLE I.D. NO.	STATE N	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS		
I Hereby certify that the were accepted for trans	ne above described waste(s) asportation at the producer's waste facility. Both as listed	PRINT DRIVER'S NAME	no trada		DATE /3) /0		
THIS SECTION TO E	BE COMPLETED BY RECE	EIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
	arth of Southeast ennsylvania		7 Steel Road East orrisville, PA 19067		PHONE NO. 215-428-1700		
COMMENTS							
delivered to this Facility	above described wastes were , that the Facility is authorized	AUTHORIZED SIGNATURE PRINT NAME			DATE 3.31.10		
and permitted to receive	e such wastes.	FOUNT IVANVIE					

Ticket: 315000031582 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 3/31/2010 10:44:14 Scale 1 Morrisville, PA 19067 Outa 3/31/2010 10:44:35 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Tris Lbs Manifest: 27363 Grosse 97440 48.72 Vehicle ID: RATARA Tares 26440 13.22 Act 90 Decals WH7892 Met: 71000 35.50 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 M. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit Not Applicable Soil Treatment Type IV 35.50 Tns

Storage Area: Area 1 Comment:

		400		A STATE OF THE PARTY OF THE PAR		<u> </u>
•	ourt PA 18067 -6900	nc.	Documer		103602 OR SPILL CONTACT id Response, Inc. ONE # 877-460-1038 APPROVAL WEIGHT/VOLUME CODE Est. 22 Tons DATE 3/3//6 PHONE NO. 973 598 8845 COMMENTS DATE 3/3//0.	
THIS SECTION TO	BE COMPLETED BY GE	NERATOR:				
COMPANY NAME/A L.E. Carpent 33587 Walke Avon Lake, (er & Company S r Road 1	Site Address: 70 N. Main Street Wharton, N.J. 0788	_	IN CASE OF EMERGENCY 24 HOUR EMERGENCY P	pid Response,	inc.
QUANTITY	SIZE/TYPE		DESCRIPTION			WEIGHTWOLLIME
, XX.1				CRA Non-Regulated		
classified, described, p	the above named waste(s) ackaged, marked, and labele ansportation according to the	are properly CENER	RATOR'S SIGI	-103802-01		DATE
egulations of the DOT	and the EPA. BE COMPLETED BY HAU	Souther	delivekz en beh	of of L.E. Casperdar & Company		
COMPANY NAME	BE COMPLETED BY HAC	- *	DRESS	, <u></u>	Programme and the second	PHONE NO
Rainbow Tru	cking	1	167 Stephe	ns Park Road vn, NJ 07840		
VEHICLE I.D. NO.	3542 STATE NO	BOX NUMBER-IN		BOX NUMBER-OUT		
vere accepted for tran	ne above described waste(s) asportation at the producer's waste facility. Both as listed	PRINT DRIVER'S		arme Molir	re.	3/31/10.
THIS SECTION TO I	BE COMPLETED BY REC	EIVER AT DISPOSAL I	FACILITY: (O	NCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR
Po	arth of Southeast ennsylvania	ADI		iteel Road East sville, PA 19067		
COMMENTS			***	*	·	
	above described wastes were that the Facility is authorized such wastes.		GNATURE	4		

Clean Earth of Southeast Pennsylvania	* 3150000315	81		
7 Steel Road East	Date	Time	Scale	
Morrisville, PA 19067	3/31/2010	10:42:22	Scale 1	l.
Ph: (215) 428-1700 Fax: (215) 428-1704 2 Out:	3/31/2010	10:43:04	P.T.	
Manifest: 27362 Gross: Vehicle ID: NIC79 Tare: Act 90 Decal: WH7892 Net: Customer: EWMI	26420	Tns 53.21 13.21 40.00		
% Facility Approval#:	103150018			
	Dayco Corp	n St.	enter Su	4p
Origin Materials & Services	Quantity	Unit		
Not Applicable Soil Treatment Type IV	40.00	Tns	244 3154 4414 (114 2011) AVE 1114 1114	****

TE TESTADORAN

	nce and invoices to: Waste Minimization inse, Inc.	Doc	ument # 273	62	·
14 Brick Kiln C Northampton, F Phone 484-275 Fax 484-275-69	PA 180 6 7 -6900	Job/	/Project #	103802	
THIS SECTION TO	BE COMPLETED BY G	ENERATOR:			
COMPANY NAME/A LE. Carpont 33587 Welke	er & Company	Site Address: 170 N. Main Street	IN CASE OF EMERGENC	Y OR SPILL CONT pid Response,	
Avon Lake, ()H. 44012	Wharton, NJ 07885	24 HOUR EMERGENCY F	PHONE # 877-460-103 8	+ · · · · · · · · · · · · · · · · · · ·
QUANTITY	SIZE/TYPE	DESCRI	PTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DO	T/RCRA Non-Regulated	103150018	Est. 22 Tons
		E of the second			
*					
			-		
****		Clean Earth PO	#01-103002-01	.50	
					19 6
lassified, described, pa	the above named waste(s ackaged, marked, and laboration according to	eled and are in	S SIGNATURE		DATE 3/3///
egulations of the OT	and the EPA.	Scall Parishbushs	on behalf of L.E. Companier & Company		27 11.
Solder St.	BE COMPLETED BY H	AULER / TRANSPORTER:	200		I pulous up
COMPANY NAME			ephens Park Road	•	PHONE NO. 973 598 8845
Rainbow Tru			itstown, NJ 07840		() –
EHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
ere accepted for tran	ne above described wastersportation at the produce	r's	fluid .		3/31/10
ereupon.	waste facility. Both as list	PRINT DRIVER'S NAME	a delo		41
HIS SECTION TO E	BE COMPLETED BY RE		Y: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATO
	arth of Southeast emsylvania	ADDRESS	7 Steel Road East Morrisville, PA 19067		PHONE NO. 215-428-1700
OMMENTS					
	above described wastes we that the Facility is authorize such wastes.	I 5			DATE 3.31.10

Ticket: 315000031577 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 3/31/2010 10:34:01 Scale 1 In: Morrisville, PA 19067 Out: 3/31/2010 10:34:20 P. T. Ph: (215) 428-1700 Fax: (215) 428-1704 Tns Lbs Manifest: 27368 96120 48.06 Grossa Vehicle ID: GRE208 13.72 27440 Tare: 34,34 Act 90 Decal: WH12291 Nets 68680 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Wharton, NJ 07885 Avon Lake, OH 44012 Origin Materials & Services Quantity Unit

Soil Treatment Type IV

Not Applicable

Champanina Amana Amana 4

34.34 Tns

All Correspondence and Invoices to:

14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Job/Project #	
Fax 484-275-6970	
THIS SECTION TO BE COMPLETED BY GENERATOR:	e.
COMPANY NAME/ADDRESS L.E. Carpenter & Company Site Address: 170 N. Main Street IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc.	
Avon Lake, OH. 44012 Wharton, NJ 07885 24 HOUR EMERGENCY PHONE # 877-460-1038	
QUANTITY SIZE/TYPE DESCRIPTION APPROVAL WEIGHT/VOLUI	лЕ
XX1 DT Non-Hazardous Soil, DOT/RCRA Non-Regulated 103150018 Est. 22 Tons	
90130)
2744E	>
6888	
Clean Earth PO # 01-103802-01	
I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the BOT and the EPA. DATE PRINT NAME	· · · .
THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:	
COMPANY NAME ADDRESS PHONE NO.	
Rainbow Trucking 167 Stephens Park Road Hackettstown, NJ 07840 973 598 884	5
VEHICLE I.D. NO. STATE BOX NUMBER-IN BOX NUMBER-OUT COMMENTS	
I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed PRINT DRIVER'S NAME	
site for delivery to the waste facility. Both as listed hereupon. PRINT DRIVER'S NAME Shown 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENI	RATOR)
FACILITY NAME Clean Earth of Southeast 7 Steel Road East Pennsylvania Morrisville, PA 19067 PHONE NO. 215-428-170	X O
COMMENTS	2.
I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized	, ; ;
and permitted to receive such wastes. PRINT NAME 3/3///	$\frac{1}{2}$

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067

Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27358 Vehicle ID: GRE204 Act 90 Decal: WH12291

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Gross: 111220

Tare:

Neta

Ticket: 315000031574

Date

Lbs

26040

85180

In: 3/31/2010 10:19:33

Out: 3/31/2010 10:22:52

Time

Tns

55.61

13.02

42.59

Scale

P.T.

Scale, 1

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

42.59 Tns

Storage Area: Area 1 Comment:

Drie Mare

You

Facility:

Sirkvo Joseph M

Environmental Waste Minimization, Inc. & Rapid Response, Inc.		nc. Docu	ment # 273	58	
14 Brick Kiln (Northampton, Phone 484-27 Fax 484-275-6	PA 18067 5-6900	Job/P	roject #	103802	
THIS SECTION TO	BE COMPLETED BY GE	NERATOR:			
		Site Address: 170 N. Main Street	IN CASE OF EMERGENC	OR SPILL CONT. pid Response,	
Avon Lake,		Mharton, N.J. 07885	24 HOUR EMERGENCY P		
QUANTITY	SIZE/TYPE	DESCRIP	TION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DOT	I/RCRA Non-Regulated	103150018	Est. 22 Tons
· 4.					
es/h	r				
.8 19		19	2		*
404		Clean Earth PO #			
		7		e <mark>≸</mark> es usas e i i i i i i i i i i i i i i i i i i	
classified, described,	the above named waste(s) packaged, marked, and labele transportation according to th I and the EPA.	ed and are in PRINT NAME	SIGNATURE COMPANY & COMPANY & COMPANY		DATE / 3/10
THIS SECTION TO	BE COMPLETED BY HAU	JLER / TRANSPORTER:			
COMPANY NAME Rainbow Tr	ucking	•	phens Park Road stown, NJ 07840		PHONE NO. 973 598 8845
VEHICLE I.D. NO. AMIZIA	204 NJ	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
were accepted for tra	the above described waste(s) ansportation at the producer's e waste facility. Both as listed	(WATKUO)	Toro		B/31/10
THIS SECTION TO	BE COMPLETED BY REC	EIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
P	Earth of Southeast Pennsylvania		7 Steel Road East lonisville, PA 19067		PHONE NO. 215-428-1700
COMMENTS		#6-3-2-1 OSS 1			
	e above described wastes were ty, that the Facility is authorized ve such wastes.		L		3.31.10
					<u> </u>

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 -Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27361 Vehicle ID: NIC207 Act 90 Decal: WH7892 Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

Not Applicable

Soil Treatment Type IV

Facility:

Sirwo, Joseph M

Ticket: 315000031570

97520 48.76 Gross: Tares 26720 13.36

Lbs

Date

In: 3/31/2010 10:00:57

Out: 3/31/2010 10:01:19

70800 35.40 Net:

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Time

Tris

Scale

P.T.

Scale 1

Job Address: 170 N. Main St.

Wharton, NJ 07885 Quantity Unit

35.40 Ths

Storage Area: Area 1 Comment:

Drivers

Origin

All Correspondence and Invoices to:

Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970		, Inc.	Docume	ent# <u>273</u>	103802	
		*	Job/Project #		S LOPENIAL.	
THIS SECTION TO	BE COMPLETED BY G	ENERATOR:			_ -	
COMPANY NAME/ADDRESS L.E. Carperter & Company S		Site Address: 170 N. Main Street		IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc.		
Avon Lake, (Whaton, NJ 0786		24 HOUR EMERGENCY P	HONE # 877-460-1038	
QUANTITY	SIZE/TYPE	[DESCRIPTION	ON .	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous S	od, DOT/F	ICRA Non-Regulated	103150018	Est. 22 Tons

24		<u> </u>	<u> </u>			
etina.		Clean Ea	nth PQ#0	1-103802-01		
	ļ				A X	etranije e eriginali
classified, described, p	the above named waste(spackaged, marked, and laboransportation according to and the EPA.	the applicable PRINT	NAME	ENATURE COMPLETE COMPANY		DATE 3/31/10
THIS SECTION TO	BE COMPLETED BY H	AULER / TRANSPORTE	R:	``````````````````````````````````````		
COMPANY NAME Rainbow Tru	cking	•		ens Park Road wn, NJ 07840	V.	PHONE NO. 973 598 8845
VÈHICLE I.D. NO.	STATE N.S	BOX NUMBER-IN	j. (5)	BOX NUMBER-OUT		COMMENTS
	ne above described wastensportation at the produce	• *	TURE			DATE
site for delivery to the hereupon.	waste facility. Both as list	PRINT DRIVER'S	NAME C	ess. Bedry.	۸ .	03/31/10
THIS SECTION TO	BE COMPLETED BY RE	CEIVER AT DISPOSAL	FACILITY: (0	ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
Pi	arth of Southeast ennsylvania	AD		Steel Road East risville, PA 19067		PHONE NO. 215-428-1700
COMMENTS		· · · · · · · · · · · · · · · · · · ·	ər -			
	above described wastes we t, that the Facility is authoriz e such wastes.	. y	GNATURE			3.31.10
	\$200 a.					

Clean Earth of Southeast Permsyavanta 7 Steel Road East Morrisville, PA 19067

Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27360 Vehicle ID: RAI889 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Gross:

Tare:

Met:

Facility Approval#: 103150018 Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Ticket: 315000031567

Date

Lbs

97280

26740

70540

In: 3/31/2010 09:54:10

3/31/2010 09:54:29

Time

Tns

48.64

13.37

35.27

Scale

P.T.

Scale 1

Quantity Unit

Not Applicable

Soil Treatment Type IV

Materials & Services

35.27 Tns

Storage Area: Area 1 Comments

Origin

Facilitys

Siravo, Joseph M

	-	and the second second		roger Sol.			
	ourt PA 18067 -6900			60			
HIS SECTION TO	BE COMPLETED BY G	ENERATOR:		ž	*		
33587 Walks	er & Company or Road	Site Address: 170 N. Main Street	IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc.				
Avon Lake, ()H. 44012	Wharton, NJ 07885	24 HOUR EMERGENCY P	PHONE # 877-460-1038			
QUANTITY	SIZE/TYPE	DESCRIPTI	ON Section 198	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT	Non-Hazardous Soil, DOTA	RCRA Non-Regulated	103150018	Est. 22 Tons		
					. *		
		*					
And the second s	¥.						
No.		<u> </u>			· ·		
		Clean Earth PO#	01-103802-01				
- 10 A			·		(2) (1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4		
lassified, described, p	the above named waste(s ackaged, marked, and labe ansportation according to and the EPA.	the applicable PRINT NAME	GNATURE.		DATE 3/31/10		
18 (2)	BE COMPLETED BY H	AULER / TRANSPORTER:					
OMPANY NAME		ADDRESS			PHONE NO.		
Rainbow Tru	cking		nens Park Road own, NJ 07840		973 598 8845		
AL 640°	STATE NT	BOX NUMBER-IN	BOX NUMBER-OUT	·.	COMMENTS		
	ne above described wasted			:	DATE		
	waste facility. Both as liste	PRINT DRIVER'S NAME	sar Bermed)	3-31-10		
THIS SECTION TO E	BE COMPLETED BY RE	CEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
ACILITY NAME Clean Earth of Southeast Pennsylvania ADDRESS 7 Steel Road East Morrisville, PA 19067					PHONE NO. 215-428-1700		
OMMENTS							
	above described wastes we that the Facility is authoriz such wastes.	- B	1		3.31.10		

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067

Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27359 Vehicle ID: RAI874 Act 90 Decal: WH1544 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Jicket: 31500**00**31565

Date Time Scale Ins. 3/31/2010 09:48:11 Scale 1 Out: 3/31/2010 09:49:10 P.T.

Lbs Tns 49, 93 99860 Gross: 25620 12.81 Tare: 37.12 Net: 74240

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Wharton, NJ 07885 Quantity Unit

Origin Materials & Services

Soil Treatment Type IV

37.12 Tns

Storage Area: Area 1

Not Applicable

Comment:

Facility:

Siravo Joseph M

Environmental & Rapid Respo	, Inc.	Document # 27359					
14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Job/Project #				
THIS SECTION TO	BE COMPLETED BY G	ENERATOR:					
33587 Walker Road 17		Site Address: 170 N. Main Street Wharton, NJ 07885		IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. 24 HOUR EMERGENCY PHONE #			
		•			877-460-1038		
QUANTITY	SIZE/TYPE	DE	SCRIPTION		APPROVAL CODE	WEIGHT/VOLUME	
XX1	דם	Non-Hazardous Soil	i, DOT/RO	RA Non-Regulated	103150018	Est. 22 Tons	
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- quality	· ·	· · · · · · · · · · · · · · · · · · ·				. ,	
1.2							
		Çlean Earth	PO#01	103802-01			
					#cf		
classified, described, proper condition for tregulations of		the applicable PRINT NA	dioekz on bebe	WALE COMPANY COMPANY		DATE 3/31/10	
3 48	BE COMPLETED BY HA	AULER / TRANSPORTER:		30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		I	
COMPANY NAME Rainbow Tru	ding	16		ns Park Road n, NJ 07840		973 598 8945	
VEHICLE I.D. NO. (BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS	
were accepted for trai	ne above described waste(nsportation at the producer waste facility. Both as liste	's	JUS			3/31/10	
THIS SECTION TO	BE COMPLETED BY RE	CEIVER AT DISPOSAL FA	CILITY: (Of	ICE SIGNED, A COPY MUS	T BE FORWARDE	D TO EWMI AND GENERATOR)	
	arth of Southeast ennsylvania	ADDF		teel Road East sville, PA 19067	7 85	PHONE NO. 215-428-1700	
COMMENTS						:	
	above described wastes we t, that the Facility is authorize e such wastes.	•	NATURE)		3.31.10	
	And						

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067
Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27355 Vehicle ID: RAI872 Act 90 Decal: WH1544

Customer: EWII

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ficket: 3150 ... 31559

Date Time Scale
In: 3/31/2010 09:35:10 Scale 1
Out: 3/31/2010 09:35:25 P.T.

Lbs Tns Gross: 91360 45.68 Tare: 26660 13.33 Net: 64700 32.35

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup-

Job Address: 170 N. Main St. Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

32.35 Ins

Storage Area: Area 1 Comment:

Drivers

Facility:

Siravo, Joseph M

All Correspondence and Invoices to:

•	Court PA 18067 -6900	Inc.	Docume Job/Pro		103802		
THIS SECTION TO	BE COMPLETED BY GE	NERATOR:					
33587 Walker Road 17		Site Address: 170 N. Main Street Wharton, NJ 07885		IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. 24 HOUR EMERGENCY PHONE #			
					877-460-1038		
QUANTITY	SIZE/TYPE	DE	ESCRIPTIO	DN	APPROVAL CODE	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous So	il, DOT/F	ICRA Non-Regulated	103150018	Est. 22 Tons	
en segretarione							
				·.		e de la companya de	
		Clean Earti	h PO#0	1-103802-01			
						w was	
classified, described, p	the above named waste(s) nackaged, marked, and labeled ansportation according to the and the EPA.	ed and are in ne applicable PRINT N		ENATURE		B/31/10	
THIS SECTION TO	BE COMPLETED BY HA	ULER / TRANSPORTER	? :				
COMPANY NAME	and the second s	ADD	RESS			PHONE NO.	
Rainbow Tru	dáng			ens Park Road wn, NJ 07840	a.	973 598 8845	
RMV351	STATE N.J.	BOX NUMBER-IN		BOX NUMBER-OUT	6 ,	COMMENTS	
were accepted for tran	ne above described waste(s nsportation at the producer's waste facility. Both as listed	S		200 Montino	- T	3(31/10	
THIS SECTION TO I	BE COMPLETED BY REC	CEIVER AT DISPOSAL FA	ACILITY: (0	DNCE SIGNED, A COPY MUS	T BE FORWARDE	D TO EWMI AND GENERATOR)	
	arth of Southeast ennsylvania	ADD		Steel Road East risville, PA 19067		PHONE NO. 215-428-1700	
COMMENTS			(46) (3) (3+8) (7-8) (3) (3-8) (7-8) (4) (4)				
delivered to this Facility	above described wastes were that the Facility is authorized		NATURE	2	:	3.3/.10	
and permitted to receiv	e such wastes.	FRIINTINAIVIE			N		

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

> Tris L.bs 45.87 Gross: 91740 25980 12.99 Tares Net: 65760 32.88

3/31/2010

3/31/2010

Manifest: 27353 Vehicle ID: RAI71 Act 90 Decal: WH1544 Customer: EWMI

Generators L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Scale

P.T.

Scale 1

Time

09:30:32

09:30:48

Job Address: 170 N. Main St. Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

32.88 Tns

Storage Area: Area 1 Comment:

Facility:

Siravo, Joseph M

	ourt PA 18067 -6900	Docun	\$3 (2)	103802	: :	
THIS SECTION TO	BE COMPLETED BY GE	NERATOR:				
33587 Walker Road 17		Site Address: 70 N. Main Street Marton, NJ 07885	IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. 24 HOUR EMERGENCY PHONE # 877-480-1038			
	_ 	· · · · · · · · · · · · · · · · · · ·	<u> </u>	•	.· •	
QUANTITY	SIZE/TYPE	DESCRIPT		APPROVAL CODE	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous Soil, DOT	/RCRA Non-Regulated	103150018	Est. 22 Tons	
		Clean Earth PO#	01-103802-01			
			Arrest (Mary No.	
classified, described, p	the above named waste(s) ackaged, marked, and labele ansportation according to the and the EPA:	d and are in e applicable PBINT NAME	SIGNATURE Sector of L.E. Cooperator & Company		3/31/10	
THIS SECTIC TO	BE COMPLETED BY HAU	JLER / TRANSPORTER:		NV-A		
COMPANY NAME Rainbow Tru		Hacketts	hens Park Road lown, NJ 07840		973 598 8845	
VEHICLE I.D. NO. Am3	52H N.J.	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS	
were accepted for tran	ne above described waste(s) asportation at the producer's	Day An	*		3-31-10	
site for delivery to the hereupon.	waste facility. Both as listed		enetz		O Division of the second	
THIS SECTION TO I	BE COMPLETED BY REC	EIVER AT DISPOSAL FACILITY:		ST BE FORWARDE	O TO EWMI AND GENERATOR)	
Po	arth of Southeast annsylvania		7 Steel Road East orrisville, PA 19067		PHONE NO. 215-428-1700	
COMMENTS			1			
	above described wastes were that the Facility is authorized s such wastes.	■ 1 Nation 1	4		3-31.10	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27354 Vehicle ID: RAI890 Act 90 Decal: WH1544 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Facility Approval#: 103150018

Grossa

Tares

Nets

Job Name: Dayco Corp/L.E. Carpenter Sup

Time

09:25:51

Tris

47.38

13.53

33.85

Scale

P.T.

Scale 1

Job Address: 170 N. Main St.

Ticket: 315000031555

Out: 3/31/2010

Date

Lbs

94760

27060

67700

In: 3/31/2010 09:25:29

Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

33.85 Tns

Storage Area: Area 1 Comment:

Facility:

Noseph M

	Court PA 18067 5-6900	, Inc.	Documer Job/Proje		103802				
HIS SECTION TO	BE COMPLETED BY G	ENERATOR:				_			
OMPANY NAME/ L.E. Carpen 33587 Welk	ter & Company	Site Address: 170 N. Main Stree		IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc.					
Avon Lake,		Wherton, NJ 078		24 HOUR EMERGENCY PHONE # 877-460-1038					
QUANTITY	SIZE/TYPE		DESCRIPTION		APPROVAL CODE	WEIGHT/VOLUME			
XX1	DT	Non-Hazardous S	Soil, DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons			
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(Add)						·			
						i ,			
						2			
, whi		Clean Ea	with PO # 01	-103802-01					
		1			**************************************	The state of the s			
assified, described,	the above named waste(s packaged, marked, and labe transportation according to and the EPA.	eled and are in the applicable PRINT	RATOR'S SIGI	NATURE off of E.E. Compositor & Company		DATE 3/31/16			
HÍS SECTIÓ I/TO	BE COMPLETED BY H	AULER / TRANSPORTI	ER:						
OMPANY NAME	and the supplied the supplied to the supplied	Al Al	DDRESS			PHONE NO.			
Rainbow Tru	<i>ic</i> lang			ns Park Road vn, NJ 07840		973 598 8845			
EHICLE I.D. NO. AMINI	E NJ	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS			
	the above described waste(· ′ J	ATURE	He		DATE			
	waste facility. Both as liste		S NAME }	fector Lop	eru	3.31.10			
HIS SECTION TO	BE COMPLETED BY RE	CEIVER AT DISPOSAL	. FACILITY: (O	NCE SIGNED, A COPY MU	JST BE FORWARDE	D TO EWMI AND GENERATOR)			
ACILITY NAME	Earth of Southeast ennsylvania	Al		iteel Road East isville, PA 19067	A Company of the Comp	PHONE NO. 215-428-1700			
OMMENTS				1					
	e above described wastes we y, that the Facility is authoriz we such wastes.		IGNATURE	h		3. 31.10			

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067

Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27356 Vehicle ID: RAI862 Act 90 Decal: WH7892 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

Not Applicable

Origin

Soil Treatment Type IV

Storage Area: Area 1 Comment:

licket: 315000031553

Date Scale Time In: 3/31/2010 09:19:47 Scale 1 P.T.

Out: 3/31/2010 09:20:17

Tns Lbs 48,43 Gross: 96860 27580 13.79 Tare: 69280 Nets 34.64

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

34.64 Ths

Facilitys

Siravo, Joseph M

		3		OF SERVICE	A STATE OF THE STA	
Environmental '	All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc.			nt:# 27	356	
14 Brick Kiln Conthampton, F Phone 484-275- Fax 484-275-69	ourt PA 18067 -6900		Job/Proje	ect #	103802	·
HIS SECTION TO I	BE COMPLETED BY GE	NERATOR:				
33587 Walke	er & Company r Road	Site Address: 170 N. Main Stree	st		Repid Response,	
Avon Lake, O)H. 44012	Whatton, NJ 078	85	24 HOUR EMERGENC	Y PHONE # 877-460-1038	· :
QUANTITY	SIZE/TYPE		DESCRIPTIO	N	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous	Soil, DOT/R	CRA Non-Regulated		Est. 22 Tons

	*		······································		AP .	
		Clean Ea	arth PO#01	-103802-01		
					- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	and the same of th
assified, described, pa	he above named waste(s) ackaged, marked, and label ansportation according to t	ed and are in	ERATOR'S SIG QUA CM			DATE 3/31/10
gulations of the DOT		Seed?	unidionics on hei	salt of L.E. Cheposter & Company		
or section.	BE COMPLETED BY HA					PHONE NO.
OMPANY NAME Rainbow Trik	kang	A de la companya de l		ons Park Road on, NJ 07840	*	973 598 8845
EHICLE I.D. NO.	STATE	BOX NUMBER-IN #862		BOX NUMBER-OUT		COMMENTS
ere accepted for trans	e above described waste(s sportation at the producer's waste facility. Both as listed	s	0	m 2/of		3-31-10
HIS SECTION TO B	E COMPLETED BY REC	CEIVER AT DISPOSAL		4. P. S. S. S.	JUST BE FORWARDE	D TO EWMI AND GENERATOR)
	arth of Southeast nnsylvania	A		Steel Road East isville, PA 19067	3	PHONE NO. 215-428-1700
OMMENTS			4	1	3	
	ábove described wastes were	d	IGNATURE		u,	3.3/.10
nd permitted to receive	•	PRINT NAME		July 1	· · · · · · · · · · · · · · · · · · ·	0.27.10

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067

Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27352 Vericle ID: RAI91 Act 90 Decal: WH1544 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd. Avon Lake, OH 44012

Facility Approval#: 103150018

Grosss

Tare:

Net:

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Ticket: 315000031552

Date

Lbs

93100

26080

67020

In: 3/31/2010 09:17:14

Out: 3/31/2010 09:17:38

Time

Tns

46.55

13.04

33.51

Scale

P.T.

Scale 1

Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

33.51 Ins

Storage Area: Area 1 Comments

Facility:

Joseph M

		* * * *		2	:
Environment & Rapid Res		, Inc.	ent# 273!	52	·
14 Brick Kiln Northamptor Phone 484-2	i, PA 18067	Job/Pro	ect #	103802	
Fax 484-275-					<u> </u>
HIS SECTION T	O BE COMPLETED BY G	ENERATOR:			
OMPANY NAME	E/ADDRESS		IN CASE OF EMERGENCY		
33587 Wal		Site Address: 170 N. Main Street		pid Response, l	rc.
Avon Lake	, OH. 44012	Wharton, NJ 07885	24 HOUR EMERGENCY PI	877-460-1038	
QUANTITY	SIZE/TYPE	DESCRIPTI	ON	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DOT/		103150018	Est. 22 Tons
The state of the s	85	- 1 M		, and a second	
			N AND THE RESERVE OF THE PERSON NAMED IN COLUMN TO THE PERSON NAME	W.	
	\$ 4 \$ \$			E	
	Marie de la company de la comp	Clean Earth PO#	01-103802-01		
assified, described	at the above named waste(s I, packaged, marked, and labor transportation according to	eled and are in	CNATURE	1	DATE 3/31/10
egulations of the the		PO TOPIC	related of L.E. Campridor & Company	1	
нis secti. (й	O BE COMPLETED BY H.	AULER / TRANSPORTER:			
OMPANY NAME	e de la companya de l	ADDRESS			PHONE NO.
Rainbow T	rucking		hens Park Road own, NJ 07840		973 598 8845
EHICLE I.D. NO		BOX NUMBER-IN	BOX NUMBER-OUT	er en	COMMENTS
AM351		(s) DRIVER'S SIGNAVURE		.ee	DATE
ere accepted for t	t the above described waster transportation at the produce	is Dunnal			DATE
te for delivery to the reupon.	ne waste facility. Both as list	PRINT DRIVER'S NAME	inculci.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3-31-10
HIS SECTION TO	O BE COMPLETED BY RE	CHIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	T BE FORWARDE	O TO EWMI AND GENERATOR)
	Earth of Southeast Pennsylvania	The state of the s	Steel Road East		PHONE NO. 215-428-1700
OMMENTS	r casisyiya ka		industria, i in landi	1 N 1	210-20-1100
			1		
	the above described wastes we	- Af	A	#	DATE
nd permitted to rec	•	PRINT NAME		A CONTRACTOR OF THE PROPERTY O	3.31.10

sRpPrfGTN.rpt

Clean Earth of Southeast Pennsylvania

Profile GTN

4/1/2010 5:09PM User ID: JSIRAVO

Page 1 of 3

Profile: 103150018 Site ID: 315

Transactions from 04/01/2010 through 04/01/2010
Inbound Tickets Only
Third Party and Intercompany Customers
Sent and Unsent Tickets
Full Details

Ticket	Date	Truck	In / Out	Manifest	Customer		Gross	Tare	Net
103150018 - Day	co Corp/L.E	. Carpenter Su	perfund Site			Global Job Number: 113760			***
315000031672	04/01/10	RAI828	I	27403	EWM426-EWMI		39.49	13.22	26.27
315000031673	04/01/10	RAI880	I	27404	EWM426-EWMI		39.66	13.07	26.59
315000031674	04/01/10	RAI890	I	27406	EWM426-EWMI		38.35	13.53	24.82
315000031676	04/01/10	RAI889	I	27407	EWM426-EWMI		37.47	13.37	24.10
315000031677	04/01/10	RAI873	I	27401	EWM426-EWMI		36.93	13.40	23.53
315000031679	04/01/10	RAI872	I	27402	EWM426-EWMI		41.20	13.33	27.87
315000031682	04/01/10	NIC207	I	27410	EWM426-EWMI		36.80	13.36	23.44
315000031683	04/01/10	TEV22	I	27411	EWM426-EWMI		36.23	12.52	23.71
315000031686	04/01/10	TEV14	I	27414	EWM426-EWMI		36.58	13.62	22.96
315000031688	04/01/10	GRE210	I	27413	EWM426-EWMI		35.37	13.90	21.47
315000031689	04/01/10	GRE209	I	27415	EWM426-EWMI		35.12	13.72	21.40
315000031690	04/01/10	RAI805	I	27417	EWM426-EWMI		36.88	13.56	23.32
315000031691	04/01/10	RAI862	I	27416	EWM426-EWMI		35.13	13.79	21.34
315000031692	04/01/10	GRE208	I	27409	EWM426-EWMI		35.88	13.72	22.16
315000031693	04/01/10	TEV66	I	27412	EWM426-EWMI		34.06	13.47	20.59
315000031698	04/01/10	HAP46	I	27420	EWM426-EWMI		34.26	12.75	21.51
315000031699	04/01/10	TEV135	I	27418	EWM426-EWMI		35.29	13.42	21.87
315000031701	04/01/10	TEV06	I	27419	EWM426-EWMI		35.41	13.37	22.04
315000031704	04/01/10	NIC103	I	27421	EWM426-EWMI		37.05	12.35	24.70
315000031706	04/01/10	GRE203	I	27422	EWM426-EWMI		34.71	13.46	21.25
315000031725	04/01/10	RAI102	I	27423	EWM426-EWMI		36.12	13.38	22.74
315000031726	04/01/10	NIC80	I	27424	EWM426-EWMI		37.98	13.42	24.56
315000031734	04/01/10	RAI890	I	27427	EWM426-EWMI		35.21	13.53	21.68
315000031735	04/01/10	RAI889	I	27428	EWM426-EWMI		35.84	13.37	22.47

sRpPrfGTN.rpt

Clean Earth of Southeast Pennsylvania
Profile GTN

Page 2 of 3 4/1/2010 5:09PM User ID: JSIRAVO

Profile: 103150018 Site ID: 315 Transactions from 04/01/2010 through 04/01/2010
Inbound Tickets Only
Third Party and Intercompany Customers
Sent and Unsent Tickets
Full Details

Ticket	Date	Truck	In / Out	Manifest	Customer		Gross	Tare	Net
103150018 - Day	co Corp/L.E	. Carpenter Su	perfund Site			Global Job Number: 113760			
315000031736	04/01/10	RAI828	I	27425	EWM426-EWMI		34.57	13.22	21.35
315000031737	04/01/10	RAI880	I	27426	EWM426-EWMI	•	35.37	13.07	22.30
315000031740	04/01/10	RAI873	I	27429	EWM426-EWMI		36.37	13.40	22.97
315000031741	04/01/10	RAI872	I	27430	EWM426-EWMI		37.85	13.33	24.52
315000031742	04/01/10	TEV14	I	27431	EWM426-EWMI		39.99	13.62	26.37
315000031743	04/01/10	TEV66	I	27433	EWM426-EWMI		36.26	13.47	22.79
315000031744	04/01/10	TEV22	I	27432	EWM426-EWMI		36.71	12.52	24.19
315000031745	04/01/10	NIC207	I	27434	EWM426-EWMI		36.26	13.36	22.90
315000031746	04/01/10	GRE210	I	27435	EWM426-EWMI		35.13	13.90	21.23
315000031747	04/01/10	GRE209	I	27436	EWM426-EWMI		36.72	13.72	23.00
315000031748	04/01/10	RAI805	I	27437	EWM426-EWMI		35.66	13.56	22.10
315000031749	04/01/10	GRE208	I	27439	EWM426-EWMI		36.27	13.72	22.55
315000031750	04/01/10	RAI862	I	27438	EWM426-EWMI		35.07	13.79	21.28
315000031751	04/01/10	TEV135	I	27441	EWM426-EWMI		35.04	13.42	21.62
315000031753	04/01/10	HAP46	I	27440	EWM426-EWMI		36.21	12.75	23.46
315000031754	04/01/10	NIC103	I	27442	EWM426-EWMI		36.56	12.35	24.21
315000031755	04/01/10	TEV45	I	27443	EWM426-EWMI		33.61	12.80	20.82
315000031756	04/01/10	RAI885	I	27445	EWM426-EWMI		36.41	12.84	23.57
315000031757	04/01/10	GRE203	I	27444	EWM426-EWMI		35.28	13.46	21.82
315000031758	04/01/10	RAI02	1	27446	EWM426-EWMI		40.87	13.54	27.33
315000031759	04/01/10	RAI102	I	27447	EWM426-EWMI		38.87	13.38	25.49
315000031760	04/01/10	NIC80	I	27448	EWM426-EWMI		38.17	13.42	24.75
315000031761	04/01/10	TEV10	I	24750	EWM426-EWMI		38.59	11.78	26.81
315000031762	04/01/10	RAI882	I	27449	EWM426-EWMI		39.24	13.14	26.10

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48 tickets

Profile: 103150018 Site ID: 315 Clean Earth of Southeast Pennsylvania

Profile GTN

Transactions from 04/01/2010 through 04/01/2010
Inbound Tickets Only
Third Party and Intercompany Customers
Sent and Unsent Tickets
Full Details

Page 3 of 3 4/1/2010 5:09PM User ID: JSIRAVO

Ticket	Date	Truck	In / Out Manifest	Customer		Gross	Tare	Net
103150018 - Dayco Corp/L.E. Carpenter Superfund Sit 48 tickets								1,119.92
Report Gr	and Totals	<u> </u>						1 119 92

Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/1/2010 09:12:57 Scale 1 Ing Morrisville, PA 19067 4/1/2010 09:13:16 P.T. Out: Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tris 78980 39,49 Manifest: 27403 Gross: Vehicle ID: RAI828 13.22 Tare: 26440 Act 90 Decal: WH7892 Net: 52540 26.27 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Wharton, NJ 07885 Avon Lake, OH 44012 Materials & Services Quantity Unit Origin Not Applicable Soil Treatment Type IV 26.27 Ths

Storage Area: Area 1

				_(
	Court PA 18067 5-6900		Docum Job/Pro		103802			
THIS SECTION TO	BE COMPLETED,	BY GENERATOR:						
		Site Address:		IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc.				
Avon Lake, (170 N. Main Stre Wharton, N.J. 07		24 HOUR EMERGENCY PHONE # 877-460-1038				
QUANTITY	SIZE/TYPE		DESCRIPTION	ON	APPROVAL CODE	WEIGHT/VOLU	ME	
XX1	DT	Non-Hazardous	Soil, DOTA	RCRA Mon-Regulated	103150018	Est. 22 Tons		
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		Clean E	earth PO#0	01-103802-01				
lassified, described, p	the above named w backaged, marked, an ransportation accordin and the EPA.	nd labeled and are in any to the applicable	ERATOR'S SIL	CHATURE CHA		DATE 4 1/10		
	BE COMPLETED I	BY HAULER / TRANSPOR			···	, , , , , , , , , , , , , , , , , , ,	1	
COMPANY NAME			ADDRESS	anno Brank Brand		PHONE NO.		
Rainbow Tru	cking			ens Park Road own, NJ 07840		(973) 598 684	5	
EHICLE I.D. NO. 328/AT16	354L N			BOX NUMBER-OUT		COMMENTS		
ere accepted for train	he above described value of the programme of the programm	oducer's		ime Moline	7.)—	4/1/10·	ه د	
HIS SECTION TO I	BE COMPLETED B	BY RECEIVER AT DISPOSA	AL FACILITY: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	O TO EWMI AND GENI	ERATOR)	
	iarth of Southea ennsylvania			Steel Road East misville, PA 19067		PHONE NO. 215-428-170	XO	
				0		4		
•	above described was that the Facility is ause such wastes.		SIGNATURE	(1/4)	•	DATE STATE	10	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067

Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27404 Vehicle ID: RAI880 Act 90 Decal: WH1544 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000031673

Date Time Scale In: 4/1/2010 09:15:34 Scale 1 Out: 4/1/2010 09:16:00 P.T.

Lbs Tns Gross: 79320 39.66 Tare: 26140 13.07 Net: 53180 26.59

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Origin Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

26.59 Ths

Storage Area: Area 1 Comment:

Drivers

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Facilitys

Siravo, Joseph M

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Environmenta	All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc.		Docume	s in the second	04			
14 Brick Kiln (Northampton, Phone 484-27) Fax 484-275-6	Court , PA 18067 5-6900		Job/Pro	A STATE OF THE STA	103802	· · · · · · · · · · · · · · · · · · ·		
HIS SECTION TO	BE COMPLETED BY G	ENERATOR:			<u> </u>			
OMPANY NAME/	ADDRESS		***	IN CASE OF EMERGENC	Y OR SPILL CONT	L CONTACT		
LE Carpen 33587 Welk	ter & Company ar Road	Site Address: 170 N. Main Stree	.		pid Response,	frc.		
Avon Lake,		Wharton, NJ 078	_	24 HOUR EMERGENCY P	(m)			
QUANTITY	SIZE/TYPE		DESCRIPTION	ON	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT	Non-Hazardous S	Soil, DOTA	RCRA Non-Regulated	103150018	Est. 22 Tons		
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		Clean Ea	ath PO#0	01-103802-01		7		
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assified, described,	the above named waste(s packaged, marked, and labe transportation according to T and the EPA.	eled and are in the applicable	ERATORIS SK LENT CON T NAME	GNATURE I		DATE U//O		
HIS SECTION TO	BE COMPLETED BY H.	AULER / TRANSPORT	ER:		<u></u>			
OMPANY NAME		. A	DDRESS			PHONE NO.		
Rainbow Tr	uckina	d .		ens Park Road own, NJ 07840		973 598 8845		
EHICLE I.D. NO.	STATE	BOX NUMBER-IN		BOX NUMBER-OUT	4	COMMENTS		
ere accepted for tra	the above described waster	r's	æ	entreely)	J. V	DATE		
te for delivery to the ereupon	e waste facility. Both as liste	ed PRINT DRIVER'	SNAME	MDER SIE	cer	4-1-10		
HIS SECTION TO	BE COMPLETED BY RE	CEIVER AT DISPOSAL	FACILITY: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
	Earth of Southeast Pennsylvania	A		Steel Road East misville, PA 19067		PHONE NO. 215-428-1700		
OMMENTS		· ·		.04				
ъ								
	lereby certify that the above described wastes were livered to this Facility, that the Facility is authorized		IGNATURE	1		DATE 4/.10		
nd permitted to recei	•	PRINT NAME	6	N		1-1.10		

Ticket: 315000031674 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East Ina 4/1/2010 09:18:12 Scale 1 Morrisville, PA 19067 Out: 4/1/2010 09:19:00 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Tns Lbs Manifest: 27406 Gross: 76700 38.35 Vehicle ID: RAI890 27060 13.53 Tares Act 90 Decal: WH1544 Net: 49640 24.82 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit

Soil Treatment Type IV

Not Applicable

24.82

Tns

• • •	Court PA 18067 5-6900	Docymo	**************************************	103802			
THIS SECTION TO	BE COMPLETED BY GEN	IERATOR:					
	ter & Company S	ite Address:	IN CASE OF EMERGENC	Y OR SPILL CONTA pid Response,			
33567 Weike Avon Lake, (70 N. Main Street Vinanton, NJ 07885	24 HOUR EMERGENCY PHONE # 877-460-1038				
QUANTITY	SIZE/TYPE	DESCRIPTION	ON	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT P	Non-Hazardous Soil, DOTA	RCRA Non-Regulated	103150018	Est. 22 Tons		
			- Commo				
		Clean Earth PO#0	01-103802-01				
				- /			
elassified, described, p	the above named waste(s) a packaged, marked, and labeled ransportation according to the and the EPA.	Land are in PRINT NAME	GNATURE WATER COMPONENTS & COMPANY)-\ ¹	DATE 4/1/16		
THIS SECTION TO	BE COMPLETED BY HAUI	LER / TRANSPORTER:					
Rainbow Tru	icking		nens Park Road own, NJ 07840		PHONE NO. 973) 598 8845		
/EHICLE I.D. NO. 4M /91	E NI	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS		
vere accepted for trai	he above described waste(s) insportation at the producer's waste facility. Both as listed	DRIVER'S SIGNATURE PRINT DRIVER'S NAME	Jector Lopero		4. <i>1.</i> 10		
	BE COMPLETED BY RECE	I EIVER AT DISPOSAL FACILITY: (D TO EWMI AND GENERATOR)		
	Earth of Southeast ennsylvania		Steel Road East rrisville, PA 19067	_e tae**	PHONE NO. 215-428-1700		
COMMENTS							
• •	above described wastes were t, that the Facility is authorized the such wastes.	AUTHORIZED SIGNATURE PRINT NAME	h		DATE 4.1.10		
				·			

Ticket: 315000031676 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East Tres 4/1/2010 09:25:03 Scale 1 Morrisville, PA 19067 Out: 4/1/2010 09:25:23 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tns Manifest: 27407 74940 Grossa 37.47 Vehicle ID: RATA89 13.37 Tares 26740 Act 90 Decal: WH1544 Neta 48200 24.10 Customer: EWMI Facility Approval#: 103150018 Job Mame: Dayco Corp/L.E. Carpenter Sup Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. , Avon Lake, OH 44012 Wharton, NJ 07885 Quantity Unit Origin Materials & Services Not Applicable Soil Treatment Type IV 24.10 Tris

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970 THIS SECTION TO BE COMPLETED BY GENERATOR			Job/Project #		103802	· · · · · · · · · · · · · · · · · · ·		
THIS SECTION TO	BE COMPLETED BY	GENERATOR:						
COMPANY NAME/	ADDRESS			N CASE OF EMERGENC	Y OR SPILL CONT	ACT		
33587 Welk		Site Address: 170 N. Main Stree	1 1	Rapid Response, Inc.				
Avon Lake,	OH. (44012	Whaton, NJ 078	95	24 HOUR EMERGENCY PHONE # 877-460-1038				
QUANTITY	SIZE/TYPE		DESCRIPTION		APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT	Mon-Hazardous S	ioil, DOT/RC	RA Non-Regulated	103150018	Est. 22 Tons		
		Clean Ea	with PO#01-1	103902-01				
		6		\				
classified, described,	the above named waste(packaged, marked, and lat transportation according to T and the EPA.	peled and are in the applicable	RATOR'S SIGNA COAT CW NAME	V. I		DATE / //S		
THIS SECTION TO	BE COMPLETED BY H	HAULER / TRANSPORTE						
COMPANY NAME	**	ΑΙ	DDRESS 167 Stephen:	s Park Road		PHONE NO.		
Rainbow Tro	ucking		Hackettstown	ı, NJ 07840		(973) 598 8845		
VEHICLE I.D. NO. A L 640	OS STATE	BOX NUMBER-IN	_	BOX NUMBER-OUT	:	COMMENTS		
were accepted for tra	the above described waste ansportation at the produce waste facility. Both as lis	er's ted PRINT DRIVER'S	NAME -			4-1-10		
hereupon.	<u>.</u>	ゴッ	io Ceso	s Germen				
	BE COMPLETED BY R			CE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
	Earth of Southeast ennsylvania	AC		el Road East ville, PA 19067	· · · · · · · · · · · · · · · · · · ·	PHONE NO. 215-428-1700		
COMMEN 13				A	· · · · · · · · · · · · · · · · · · ·	13. × 3.		
	e above described wastes w y, that the Facility is authori ve such wastes.		GNATURE	1	,	DATE 4.1.10		

Ticket: 315000031677 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/1/2010 09:26:48 Scale 1 In: Morrisville, PA 19067 4/1/2010 09:27:37 Out: P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Ths Manifest: 27401 73860 36,93 Grossa Vehicle ID: RAI873 26800 13.40 Tare: Act 90 Decals WH1544 Meta 47060 23.53 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit Not Applicable 23.53 Tms Soil Treatment Type IV

Storage Area: Area 1

	dence and Invoices to							
Environmenta & Rapid Resp 14 Brick Kiln Northampton Phone 484-27 Fax 484-275-6	Court , PA 18067 5-6900	Docu	Project #	103802				
THIS SECTION TO	D BE COMPLETED BY (GENERATOR:						
	ter & Company	Site Address:		IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc.				
33587 Walk Avon Lake,	GF ROOD OH. 44012	170 N. Main Street Wharton, NJ 07885	24 HOUR EMERGENCY F	24 HOUR EMERGENCY PHONE # 877-460-1038				
QUANTITY	SIZE/TYPE	DESCRIF	PTION	APPROVAL CODE	WEIGHT/VOLUME			
XX1	DT	Non-Hazardous Soil, DO	T/RCRA Non-Regulated	103150018	Est. 22 Tons			
·	•							
		Clean Earth PO	# 01-103802-01					
· ;			~					
classified, described,	t the above named wasted packaged, marked, and lat transportation according to T and the EPA.	peled and are in PRINT NAME	auluh		DATE 4/- /- / 0			
		HAULER / TRANSPORTER:	on behalf of L.E. Colphotor & Grouperry					
COMPANY NAME		ADDRESS			PHONE NO.			
Rainbow Tr	ucking		phens Park Road Islown, NJ 07840		(973) 598 8645			
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS			
were accepted for tra	the above described waste ansportation at the produc e waste facility. Both as lis	er's	rada End	· · · · · · · · · · · · · · · · · · ·	DATE ////0			
THIS SECTION TO	BE COMPLETED BY R	ECEIVER AT DISPOSAL FACILITY	Y: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)			
F	Earth of Southeast Pennsylvania	ADDRESS	7 Steel Road East Jorrisville, PA 19067		PHONE NO. 215-428-1700			
COMMENTS								
	ne above described wastes wastes wastes wastes wastes ity, that the Facility is authoritive such wastes.				DATE 4.1.10			
			1. /		i .			

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700

Fax: (215) 428-1704

Manifest: 27402 Vehicle ID: RAI872

Act 90 Decal: WH1544 Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd. Avon Lake, OH 44012

Materials & Services

Wharton, NJ 07885

Not Applicable Soil Treatment Type IV

27.87 Ths

Storage Area: Area 1

Origin

Ticket: 315000031679

Date

Time

Scale

Ins 4/1/2010 09:31:00 Scale 1

Outs 4/1/2010 09:31:16 F.T.

> Lbs Tns

Gross: A2400 41.20 Tare: 26660 13.33 Nets

55740 27.87

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup Job Address: 170 N. Main St.

Quantity Unit

		la.	4	1×1					
•	ence and Invoices to Waste Minimizationse, Inc.		Docume	ent #	274	02	1		
14 Brick Kiln (Court	* ************************************	*			103802			
Northampton, Phone 484-275		·	Job/Pro	The second secon			and the second second		
Fax 484-275-69		i M		100	30.0				
THIS SECTION TO	BE COMPLETED BY	GENERATOR:			· · · · · · · · · · · · · · · · · · ·		:		
COMPANY NAME/	ADDRESS		,	IN CASE OF	EMERGENCY	OR SPILL CONTA	ACT		
	ler & Company	Site Address:			Rapid Response, Inc.				
33567 Welke Avon Lake, (170 N. Main Stree Wharton, NJ 078		24 HOUR EN	ERGENCY P	HONE #			
•		•		877-460-1038			Fig.		
QUANTITY	SIZE/TYPE		DESCRIPTION	ON .		APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT	Non-Hazardous	Soil, DOT/F	RCRA Non-R	egulated	103150018	Est. 22 Tons		
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		Clean E	with PO#0	1-103802-01		3 . 3		-	
								<u>.</u>	
lassified, described, p	the above named wast packaged, marked, and I ransportation according	abeled and are in	ERATOR'S 910 M Cur T NAME	NATURE	-		DATE 9/1/O		
egulations of the DOT		1111111		AND AF LE CASPANA	r & Company				
HIS SECTION TO	BE COMPLETED BY	HAULER / TRANSPORT	ER:				*		
COMPANY NAME			DDRESS	·			PHONE NO.	*	
Rainbow Tru	rkina	de la companya de la		ens Park Ro wn, NJ 078			973 598 8845		
/EHICLE I.D. NO.	STATE	BOX NUMBER-IN		BOX NUM		-	COMMENTS	—	
AM V35	19 N.2	•				:			
•	he above described was	, , , I	IATURE	Company of the Control of the Contro	ngl.		DATE	_	
•	nsportation at the produ waste facility. Both as		'S NAME		/	ش ا	411110		
ereupon.	<u> </u>			708	Mont	May			
HIS SECTION TO	BE COMPLETED BY	RECEIVER AT DISPOSAI	L FACILITY: (ONCE SIGNED,	A COPY MUS	T BE FORWARDE	D TO EWMI AND GENERATO	OR)	
ACILITY NAME			DDRESS	Cimal Danel S	ar and the	· ·	PHONE NO.	_	
	Earth of Southeas ennsylvania			Steel Road E risville, PA 1			215-428-1700		
COMMENTS						7			
Hereby certify that the	above described wastes	AUTHORIZED S	GNATURE		1	<u> </u>	DATE		
elivered to this Facility and permitted to receive	y, that the Facility is authore such wastes.	PRINT NAME		I	\sim		4.1.10		

Ticket: 315000031682 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/1/2010 Ins 09:36:40 Scale 1 Morrisville, PA 19067 4/1/2010 09:37:21 P.T. Out: Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs -Tns Manifest: 27410 73600 36.80 Grossa Vehicle ID: NIC207 26720 13.36 Tares Act 90 Decal: WH7892 Net: 46880 23,44 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Materials & Services Quantity Unit Orinin Not Applicable 23.44 Ths Soil Treatment Type IV

Storane Area: Ārea 1

			50 (1986)						
All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Docum	ent # 2	2741	0			
				Job/Pro)ject #	· · · · · · · · · · · · · · · · · · ·			
HIS SECTION TO	BE COMP	LETED BY (GENERATOR:	J	·		 		
OMPANY NAME/	ADDRESS				IN CASE OF EMERO	GENCY C	R SPILL CONT	ACT	
L.E. Carpen		npany	Site Address: 170 N. Main Stree			Rapi	d Response,	inc.	
		Wharton, NJ 078				NCY PHONE # 877-460-1038			
QUANTITY	SIZE/	ТҮРЕ		DESCRIPTION	ON		APPROVAL CODE	WEIGHT/VOLUM	лЕ ЛЕ
XX1	L)T	Non-Hazardous		RCRA Non-Regulat	ried '	103150018	Est. 22 Tons	-
			W-W.						
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e .			· · · · · · · · ·						· · · · ·
									·
			Clean E	erth PO# ()1-103802-01				
							ě	7 - 4 12 84	**
Hereby certify that assified, described, roper condition for egulations of the DO	packaged, m transportation	narked, and lat n according to	peled and are in the applicable	calt 10	CNATURE :	pany		DATE	
HIS SECTION TO	BE COMP	LETED BY H	HAULER / TRANSPORT	ER:			·		904
OMPANY NAME			А	DDRESS		-		PHONE NO.	7- EW.
Rainbow Tru	erkines		As .		nens Park Road own, NJ 07840			(973) 598 864	5
EHICLE I.D. NO.		STATE	BOX NUMBER-IN		BOX NUMBER-OUT			COMMENTS	
AH850	5L	N.S			and the second		*		
Hereby certify that			· · · •	IATURE	(DATE	
ere accepted for transportation at the producer's te for delivery to the waste facility. Both as listed ereupon.			R'S NAME Cessy Bedaya			04/01/10			
HIS SECTION TO	ВЕ СОМРІ	LETED BY R	ECEIVER AT DISPOSAI	L FACILITY: (ONCE SIGNED, A COP	PY MUST	BE FORWARDE	D TO EWMI AND GENE	:RATOR)
ACILITY NAME Clean Earth of Southeast Pennsylvania			// A		Steel Road East misville, PA 19067	,		PHONE NO. 215-428-170	·····
OMMENTS	may g	10 87 5-4		See				en 2 to 2 factor 8.5 to	-
Hereby certify that the elivered to this Facilith and permitted to receive	ty, that the Fa	cility is authori		SIGNATURE	A -			DATE 4.1.10	
				1/				1	

	Marian Walk			e i, go		
Colombia Constitution and Constitution and	r		Tickets	3150000316	83	
Clean Earth of Southeast 7 Steel Road East	rennsylvania			Date	Time	Scale
Morrisville, PA 19067		*	Ins	4/1/2010	09:44:08	Scale i
	: (215) 428-1704		Out:	4/1/2010	09:44:25	P.T.
				Lbs	Tns	
Manifest: 27411		San	Gross:	72460	36.23	
Vehicle ID: TEV22	•		Tare:	25040	12.52	
Act 90 Decal: WH1548		•	Nets	47420	23.71	
Customer: EWMI						
	Fa	cility App	:#Lavord	103150018		
Generator: L.E. Carpe				Dayco Corp	ZL.E. Carp	enter Su
Gen Address: 33587 Walk	er Rd.	Job A	Address:	170 N. Mai	n St.	
Avon Lake,	OH 44012			Wharton, N	J 07885	
Origin Mat	erials & Services			Quantity	Unit	
Not Applicable Soi	1 Treatment Type	ΙV		23.71	Tns	**************************************

99.71

	Court PA 18067 5-6900	Docur	nent # 274	103802	· / · · · · · · · · · · · · · · · · · ·		
THIS SECTION TO	BE COMPLETED BY G	ENERATOR:					
33587 Welker Road 170 N.		Site Address: 170 N. Main Street Wharton, NJ 07885	IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. 24 HOUR EMERGENCY PHONE #				
Avon Lake,	Ort. 44012	VICES UIT, NO UI OCO	877-460-1038				
QUANTITY	SIZE/TYPE	DESCRIPT	TION	APPROVAL CODE	WEIGHT/VOLUME		
XX1	то	Non-Hazardous Soil, DOT	/RCRA Non-Regulated	103150018	Est. 22 Tons		
		* ************************************			,		
		Clean Earth PO#	01-103802-01				
classified, described,	the above named waste(s packaged, marked, and labe transportation according to and the EPA.	the applicable PRINT NAME	SIGNATURE: ,		DATE - Y/I/IO		
THIS SECTION TO	BE COMPLETED BY H	AULER / TRANSPORTER:					
COMPANY NAME		ADDRESS	je s		PHONE NO.		
Rainbow Tru	ıcking		thens Park Road town, NJ 07840		973) 598 8845		
VEHICLE I.D. NO.	STATE NS-	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS		
vere accepted for tra	the above described waste ansportation at the produce waste facility. Both as liste	r's	THE STATE OF THE S		DATE 4-1-10		
nereupon.		7711171 971172713 171112	Daniel		7770		
	BE COMPLETED BY RE	CEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE			
	Earth of Southeast Tennsylvania		7 Steel Road East omsville, PA 19067		PHONE NO. 215-428-1700		
COMMENTS			1	W.			
	e above described wastes we y, that the Facility is authoriz		1	· ·	DATE 4.1.10		
and permitted to recei	vo suori wastes.		/				

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067

Fax: (215) 428-1704 Ph: (215) 428-1700

Manifest: 27414 Vehicle ID: TEV14

Act 90 Decal: WH1548 Customer: EWMI

Gen Address: 33587 Walker Rd. Avon Lake, OH 44012 Origin

Generator: L.E. Carpenter & Company

Ins

Out:

Nets

Ticket: 315000031686

Date

Time Scale 4/1/2010 09:55:30 Scale 1 4/1/2010 09:55:48 P.T.

Lbs Tns 73160 36.58 Grossa 27240 13.62 Tare:

45920

Facility Approval#s 103150018 Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885.

22,96

Materials & Services Quantity Unit

Not Applicable Soil Treatment Type IV

22.96 Tns

			3.00						
All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067			Document # 27414						
					103802	103802			
Phone 484-27 Fax 484-275-6			Job/Proj	ject #					
THIS SECTION TO	D BE COMPLETED BY	GENERATOR:	1000	-	· · · · · · · · · · · · · · · · · · ·				
COMPANY NAME	/ADDRESS		-/4,	IN CASE OF EMERGENC	Y OR SPILL CONT	ACT	_		
L.E. Carper	ter & Company	Site Address: 170 N. Main Stree			Rapid Response, Inc.				
33587 Walker Road 170 N. Main Stree Avon Lake, OH. 44012 Wharton, NJ 076			1 OF BOILD EMEDGENCY DROVE #			8			
QUANTITY	SIZE/TYPE		DESCRIPTIO	DN	APPROVAL CODE	WEIGHT/VOLUME			
XX1	DT	Non-Hazardous	Soil, DOT/F	RCRA Non-Regulated	103150018	Est. 22 Tons			
				:					
N/2									
			Neg.	1		<i>#</i>			
		Clean Ea	wth PO#0	1-103802-01			,		
			2 /	7			Marie de la companya		
classified, described,	the above named waster packaged, marked, and late transportation according to T and the EPA.	beled and are in the applicable	RATOR'S SIC WHT (GINATURE GALLE Cooperator & Company	·	DATE ()	a decimal and an analysis of		
THIS SECTION TO	BE COMPLETED BY H	HAULER / TRANSPORT	ER:	·:		34			
COMPANY NAME	,	A	DDRESS	just 1		PHONE NO.	Č.		
Reinbow Tr	ucking			ens Park Road wn, NJ 07840		(973) 598 8845			
PK 133E	STATE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS			
vere accepted for tra	the above described wast ansportation at the produc e waste facility. Both as lis	er's	<u> </u>	Bhiley		DATE			
THIS SECTION TO	BE COMPLETED BY R	ECEIVER AT DISPOSAL	FACILITY: (0	ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATO)R)		
ACILITY NAME A Clean Earth of Southeast Pennsylvania			Steel Road East risville, PA 19067		PHONE NO. 215-428-1700				
COMMENTS		. 27							
		<u>. </u>							
	ne above described wastes we ty, that the Facility is author ive such wastes.		IGNATURE	1	· · · · · · · · · · · · · · · · · · ·	DATE 4././			

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27413 Vehicle ID: GRE210 Act 90 Decal: WH12291 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

Not Applicable Soil Treatment Type IV

Storage Area: Clean Fill Zone Comment:

Drivers

Origin

Ticket: 315000031688

Date Time Scale
In: 4/1/2010 09:59:13 Scale 1
Out: 4/1/2010 09:59:30 P.T.

Lbs Tns Gross: 70740 35.37 Tare: 27800 13.90 Net: 42940 21.47

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

21.47 Ths

Facilitys

Sirawo, Joseph M

All Correspor Environment & Rapid Res 14 Brick Kilr Northamptor Phone 484-2 Fax 484-275-	tal Waste M ponse, Inc n Court n, PA 18067 75-6900	linimization	, Inc.	Document		103802	**		
THIS SECTION 1	TO BE COMP	LETED BY G	ENERATOR:						
COMPANY NAMI	E/ADDRESS				IN CASE OF EMERGENC	Y OR SPILL CONT	ACT		
LE Carpe		mpany	São Address:		Rapid Response, Inc.				
		170 N. Main Stree Wharton, NJ 078		24 HOUR ÉMERGENCY PHONE # 877-460-1038					
QUANTITY	SIZE/	TYPE	A-	DESCRIPTION		APPROVAL CODE	WEIGHT/VOLUME		
XX1	C)T	Non-Hazardous	Soil, DOT/RO	RA Non-Regulated	103150018	Est. 22 Tons		
· · · · · · · · · · · · · · · · · · ·				•					
· · · · · · · · · · · · · · · · · · ·	- W						The state of the s		
276			Clean E	erth PO#01-	103802-01				
i i i ment					\		m of a selection to entural selection of a selectio		
I Hereby certify th classified, described proper condition to regulations of the D	d, packaged, m r transportation	narked, and lab n according to	eled and are in the applicable	ERATOR'S SIGN	NATURE (DATE L(/ VD		
THIS SECTION T	O BE COMP	PLETED BY H	AULER / TRANSPORT	ER:		•			
COMPANY NAME			Α	DDRESS			PHONE NO.		
Rainbow T	rucking)		ns Park Road n, NJ 07840		(973) 598 8845		
VEHICLE LD, NO AP 63BD WH IZ		STATE	BOX NUMBER-IN BOX NUMBER-OUT				COMMENTS		
I Hereby certify that were accepted for			(5)	- MUT			DATE		
site for delivery to thereupon.		•							
THIS SECTION T	О ВЕ СОМРІ	LETED BY RE	ECEIVER AT DISPOSAI	L FACILITY: (ON	ICE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
FACILITY NAME	Earth of S	-	A	DDRESS	teel Road East		PHONE NO.		
	Pennsylva				sville, PA 19067		215-428-1700		
COMMENTS			en jul						
I Hereby certify that delivered to this Fac			zed	SIGNATURE			DATE 4. (. (C)		
and permitted to rec	eive such wast	tes.	PRINT NAME	(_					

Ticket: 315000031689 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East Ins 4/1/2010 10:00:37 Scale 1 Morrisville, PA 19067 Durte 4/1/2010 10:01:08 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tris Manifest: 27415 70240 35, 12 Grossa Vehicle ID: GRE209 27440 13,72 Tares Act 90 Decal: WH12291 42800 21.40 Net: Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit Not Applicable Soil Treatment Type IV 21.40 Ths

Shorana Armas Orga 1

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900		, Inc.	Document # 274			· /			
			Job/Proj		103802				
Fax 484-275-6				· A					
THIS SECTION TO	O BE COMPLETED BY G	ENERATOR:							
COMPANY NAME	/ADDRESS		IN CASE OF EMERGENCY OR SPILL COM						
	nter & Company nor Road	Site Address: 170 N. Main Street			Rapid Response, Inc.				
		Wharton, NJ 078		24 HOUR EMERGENCY PHONE #					
					877-460-1038				
QUANTITY	SIZE/TYPE		DESCRIPTIO	DN .	APPROVAL CODE	WEIGHT/VOLUME			
XX1	DT	Mon-Hazardous S	oil, DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons			
		· · · · · · · · · · · · · · · · · · ·							
	<u>\</u>								
				4 400000 04		*			
		Cisan ca	m PV#U	1-103802-01	ļ				
					·	1.78 ⁸			
	t the above named waste(s	are property	RATORSISIO	NATURE		DATE			
	, packaged, marked, and labe transportation according to		NAME	MOIN TO THE REAL PROPERTY.		4/1/10			
egulations of the DO	OT and the EPA.	South	ndulikaricz on les	half of L.E. Caspunder & Ossopany					
THIS SECTION TO	O BE COMPLETED BY HA	AULER / TRANSPORTE	ER:		Marie Comment	W			
COMPANY NAMÉ		<i>1</i> .	DDRESS			PHONE NO.			
Rainbow Tr	s endeŭron			ens Park Road wn, NJ 07840		(973) 598 8845			
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	- California or Anna California	BOX NUMBER-OUT	<u> </u>	COMMENTS			
AM637	D -	a 1)	\ \ \					
Hereby certify that	the above described waste(s) DRIVER'S SIGN	974R51	Zagata	Λ	DATE /			
•	ransportation at the producer re waste facility. Both as liste		MAME	7000	V-a	04/01/10			
nereupon.		11	17151	an cya					
THIS SECTION TO	BE COMPLETED BY RE	CEIVER AT DISPOSAL	FACILITY: (C	DNCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR			
ACILITY NAME		AE	DDRESS		,	PHONE NO.			
	Earth of Southeast Pennsylvania			Steel Road East risville, PA 19067		215-428-1700			
COMMENTS				, jan	-	, ži			
				A STATE OF THE STA	±.				
	ne above described wastes we		GNATURE		<i>~</i> !	DATE			
delivered to this Facili and permitted to rece	ity, that the Facility is authorized ive such wastes.	PRINT NAME	1/	10		4-1.10			

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27417 Vehicle ID: RAI805 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000031690

Date Time Scale
In: 4/1/2010 10:02:57 Scale 1
Out: 4/1/2010 10:03:18 P.T.

Lbs Tns Gross: 73760 36.88 Tare: 27120 13.56 Net: 46640 23.32

Facility Approval#: 103150018

Job Mame: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

23.32 Tns

Storage Area: Area 1 Comment:

Drivers

Facility:

Siravo, Joseph P

Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			ument #274	17		
			Project #			
THIS SECTION TO BE	COMPLETED BY GET	NERATOR:				
COMPANY NAME/ADDI			IN CASE OF EMERGENC			
		70 N. Main Street	24 HOUR EMERGENCY	apid Response,	Mic.	
Avon Lake, OH.	44012 V	Mherton, NJ 07885		877-460-1038	8	
QUANTITY	SIZE/TYPE	DESCRI	PTION	APPROVAL CODE	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous Soil, DO	T/RCRA Non-Regulated	103150018	Est. 22 Tons	
	gra -					
			# 04 400000 p4			
		Clean Earth PO	# 01-103802-01		(make sain)	
I Hereby certify that the a classified, described, packa proper condition for transp regulations of the DOT and	ged, marked, and labele ortation according to the the EPA.	d and are in e applicable PRINT NAME	S SIGNATURE '		DATE	
COMPANY NAME	SOM ELTED BY TIME	ADDRESS	· · · · · · · · · · · · · · · · · · ·		PHONE NO.	
Rainbow Truckin	1	167 St	ephens Park Road Islown, NJ 07840		(973) 598 8845	
VEHICLE I.D. NO. AL 862 U	N J	BOX NUMBER-IN 77 80 S	BOX NUMBER-OUT		COMMENTS	
I Hereby certify that the ab were accepted for transpor site for delivery to the wast hereupon.	tation at the producer's	PRINT DRIVER'S NAME	NZAICZ		V-110	
THIS SECTION TO BE C	COMPLETED BY REC		Y: (ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR)	
	of Southeast sylvania	ADDRESS	7 Steel Road East Vorrisville, PA 19067		PHONE NO. 215-428-1700	
COMMENTS						
I Hereby certify that the abov delivered to this Facility, that and permitted to receive suc	the Facility is authorized		RE		DATE 4.1.10	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Generator: L.E. Carpenter & Company

Avon Lake, OH 44012

Ticket: 315000031691

Date Time Scale
In: 4/1/2010 10:06:49 Scale 1

Out: 4/1/2010 10:06:49 Scale

Lbs Tns Gross: 70260 35.13 Tare: 27580 13.79 Net: 42680 21.34

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 M. Main St. Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

21.34 Ths

Storage Area: Area 1 Comment:

Manifest: 27416

Vehicle ID: RAI862

Customer: EWMI

Gen Address: 33587 Walker Rd.

Act 90 Decal: WH7892

Drivers

Facilitys

Siravo Joseph |

, 							
	Court , PA 18067 5-6900	nc. Docum		103802			
THIS SECTION TO	BE COMPLETED BY GEN	NERATOR:					
COMPANY NAME	ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT		
		ite Address:	Rapid Response, Inc.				
33587 White Avon Lake,	* N	70 N. Main Street Mharton, N.J. 07885	24 HOUR EMERGENCY F				
			<u> </u>	877-460-1036	· 		
QUANTITY	SIZE/TYPE	DESCRIPTI	ION	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT I	Non-Hezardous Soil, DOT/	RCRA Non-Regulated	103150018	Est. 22 Tons		
							
			5.				
· · · · · · · · · · · · · · · · · · ·				<u> </u>			
		Clean Earth PO#	01-103802-01				
		* 1			Shaper -		
classified, described, proper condition for regulations of the DO	the above named waste(s) a packaged, marked, and labeled transportation according to the T and the EPA.	d and are in e applicable PRINT NAME	IGNATURE CONTROL CONTROL		DATE 4/10		
COMPANY NAME	DE COMMEDIA	ADDRESS			PHONE NO.		
Rainbow Tn	ucking		hens Park Road Iown, NJ 07840		(973) 598 8 <u>8</u> 45		
VEHICLE I.D. NO. AL 251.	K NJ	BOX NUMBER-IN # 862	BOX NUMBER-OUT		COMMENTS		
were accepted for tra	the above described waste(s) ansportation at the producer's e waste facility. Both as listed	PRINT DRIVER'S NAME	2 John		DATE 4/-/-/0		
THIS SECTION TO	BE COMPLETED BY RECE	EIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR		
FACILITY NAME Clean Earth of Southeast Pennsylvania			' Steel Road East prisville, PA 19067		PHONE NO. 215-428-1700		
COMMENTS			Λ				
delivered to this Facilit	e above described wastes were ty, that the Facility is authorized	AUTHORIZED SIGNATURE PRINT NAME	The state of the s		DATE ///0		
and permitted to recei	ve such wastes.	I I III I I I I I I I I I I I I I I I					

Paramana Paramanahata			Ticket:	3150000316	92	
7 Steel Road Morrisville, Ph: (215) 428	PA 19067	4	Ins Out:	Date 4/1/2010 4/1/2010	Time 10:08:31 10:08:49	Scale Scale 1 P.T.
Manifest: Vehicle ID: Act 90 Decal: Customer:	GRE208 WH12291 EWMI	Facility Ap		44320	Tns 35.00 13.72 22.16	antar Sun
	33587 Walker Rd. Avon Lake, OH 44012			170 N. Mai Wharton, N	n St. 🐪	witter weep
Origin Materials & Services		65		Quantity	Unit	
Not Applicable	Soil Treatment Typ	e IV	na esta escri leter espet esse sena (est esta	22.16	Tns	, , , , , , , , , , , , , , , , , , ,

Storage Area: Area 1 Comment:

	ence and Invoices to: I Waste Minimization, I onse, Inc.	nc. Docume	ent # 274	09	
14 Brick Kiln (Northampton, Phone 484-275 Fax 484-275-69	Court PA 18067 5-6900	Job/Pro	ject #	103802	
THIS SECTION TO	BE COMPLETED BY GEN	NERATOR:			1. P.
COMPANY NAME/	ADDRESS		IN CASE OF EMERGENCY	OR SPILL CONT	ACT
L.E. Carpenter & Company Site Address: 33587 Walker Road 170 N. Main Street Avon Lake, OH. 44012 Wharton, NJ 0786			Ra	inc.	
		Mharton, NJ 07885	24 HOUR EMERGENCY PHONE # 877-460-1038		
QUANTITY	SIZE/TYPE	DESCRIPTION	DN	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT I	Non-Hazardous Soil, DOT/	RCFA Non-Regulated	103150018	Est. 22 Tons
	(
			· · · · · · · · · · · · · · · · · · ·	. :	
		Clean Earth PO#0	11-103802-01		
lassified, described, p	the above named waste(s) a packaged, marked, and labele ransportation according to the and the EPA.	d and are in PRINT NAME	GNATURE A COMPANY		DATE 4///D
THIS SECTION TO	BE COMPLETED BY HAU	JLER / TRANSPORTER:			
COMPANY NAME		ADDRESS			PHONE NO.
Rainbow Tru	icking		ens Park Road own, NJ 07840		(973) 598 8845
/EHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
Hereby certify that t	the above described waste(s)	DRIVER'S SIGNATURE	1 - 2 - 2 - 2	· , , , , , , , , , , , , , , , , , , ,	DATE
•	nsportation at the producer's waste facility. Both as listed		10Mm		
THIS SECTION TO	BE COMPLETED BY REC	EIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUS	T BE FORWARDE	D TO EWMI AND GENERATOR)
ACILITY NAME	* 44. J. # #	ADDRESS	Da 1.50	· · · · · · · · · · · · · · · · · · ·	PHONE NO.
Р	arth of Southeast ennsylvania		Steel Road East risville, PA 19067		215-428-1700
COMMENTS			,		
	e above described wastes were y, that the Facility is authorized				DATE
nd permitted to receiv	•	PRINT NAME			4.1.10

Ticket: 315000031693 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East Ina 4/1/2010 09:45:55 Scale 1 Morrisville, PA 19067 4/1/2010 Outs 10:10:22 Scale 1 Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tns Manifest: 27412 68120 34.06 Grosss Vehicle ID: TEV66 26940 13,47 Tare: Act 90 Decal: WH1548 41180 20.59 Met: Customer: EWMI Facility Approval#s 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit

20 59 The

Coil Treatment Type IU

White Anntingham

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970		Docume Job/Proj	and the same of th	12	7EV66 WH 26940				
THIS SECTION TO	BE COMPLETED BY	GENERATOR:			e de la companya de l				
COMPANY NAME//	ADDRESS			IN CASE OF EMERGENC	Y OR SPILL CONT	ACT			
LE. Carpen	ler & Company	Site Address:		R ₂	apid Response,	e, inc			
		170 N. Main Stree Wharton, NJ 078	-	24 HOUR EMERGENCY PHONE # 877-460-1038					
QUANTITY	SIZE/TYPE		DESCRIPTIO	L DN	APPROVAL CODE	WEIGHT/VOLUME			
XX1	DT	Non-Hazardous S	Soil, DOT <i>IR</i>	tCRA Non-Regulated	103150018	Est. 22 Tons			
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		Clean Ea	rih PO#0	1-103802-01					
						27 27 28 28 27 27			
)	<u> </u>				
lassified, described, p	the above named waster packaged, marked, and later ransportation according to and the EPA.	peled and are in the applicable	NAME	ANATURE V		DATE			
HIS SECTION TO	BE COMPLETED BY H	HAULER / TRANSPORTI	ER:			Have .			
COMPANY NAME		Al	DDRESS			PHONE NO.			
Rainbow Tru	rskina			ens Park Road wn, NJ 07840		(973) 598 8845			
PEHICLE I.D. NO.	STATE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS			
ere accepted for tra	he above described waste nsportation at the product waste facility. Both as lis	er's	_ KK	man Ve	rlga ncgas	H-I-10			
HIS SECTION TO	BE COMPLETED BY R	ECEIVER AT DISPOSAL	. FACILITY: (C	DNCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)			
	arth of Southeast	Al		Steel Road East		PHONE NO.			
OMMENTS	ennsylvania	· · · · · · · · · · · · · · · · · · ·	Mon	risville, PA 19067		215-428-1700			
	· .								
• •	above described wastes w		IGNATURE			DATE			
elivered to this Facility, that the Facility is authorized and permitted to receive such wastes. PRINT NAME			(M		4.1.10			

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 274420 Vehicle ID: HAP46 Act 90 Decal: WH1548 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

Soil Treatment Type IV

Storage Area: Area 1 Comment:

Origin

Not Applicable

Driver: Jim SLOANE

Ticket: 315000031698

Date Time Scale
In: 4/1/2010 10:38:23 Scale 1
Out: 4/1/2010 10:38:55 P.T.

Lbs Tns Gross: 68520 34.26 Tare: 25500 12.75 Net: 43020 21.51

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

21.51 Tris

Facility:

Siravo, Jøseph M

All Correspon Environment Rapid Res	al Waste M ponse, Inc	/linimizatio		Do	ocument #	27	420		_
14 Brick Kiln Northampton		7				,	103802		
Phone 484-275-				Jo	b/Project #				
THIS SECTION TO		DI ETEN BY	GENERATOR:	i	1 1848		<u></u>		_
COMPANY NAME			GENERATOR.	·	IN.	CASE OF EMERGEN	CY OR SPILL CONT	ACT	_
L.E. Carpenter & Company 33587 Welker Road Avon Lake, OH. 44012 Witharton, NJ 0				"		Rapid Response,			
				24	HOUR EMERGENCY	PHONE #			
					877-460-1038				
QUANTITY	SIZE/	TYPE		DESC	RIPTION		APPROVAL CODE	WEIGHT/VOLUME	_
XX1	£	TC	Non-Haza	rdous Soil, D	OT/RCR/	Non-Regulated	103150018	Est. 22 Tons	
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				\$					-
× 3					•				
			G	ean Earth P(0#01-10	3802-01	<i>*</i>		
			*					TO THE TOTAL STATE OF THE STATE	
I Hereby certify that classified, described proper condition for regulations of the DC	, packaged, n transportatio	narked, and la n according t	beled and are in	PRINT NAME	Taule	LE Compositor & Composity		DATE / CALIFO	
THIS SECTION TO	О ВЕ СОМЕ	LETED BY I	HAULER / TRAN	SPORTER:			<i>j.</i> •		_
COMPANY NAME		41	4	ADDRES	SS	· - · · · · · · · · · · · · · · · · · ·		PHONE NO.	_
/ Rainbow Ti	nacking		Α,		•	Park Road NJ 07840		(973) 598 8845	
VEHICLE I.D. NO.		STATE	BOX NUMB			BOX NUMBER-OUT		COMMENTS	_
Am-1480	5	んる						HAPPY-Time	
l Hereby certify that	t the above d		0(0)	'S SIGNATURE		*		DATE	_
were accepted for to site for delivery to the				か DRIVER'S NAMI	ANG E			4-1-10	
hereupon.				SLOPI		· · · · · · · · · · · · · · · · · · ·		/	_
	D BE COMP	LETED BY F	ECEIVER AT DIS	SPOSAL FACILI	ITY: (ONCE	SIGNED, A COPY M	UST BE FORWARDE	D TO EWMI AND GENERATOF	()
	Earth of S Pennsylva			ADDRES	7 Stee	Road East le, PA 19067		PHONE NO. 215-428-1700	
COMMENTS									_
I Hereby certify that the delivered to this Facil			vere	RIZED SIGNATU	URE	1		DATE 4/10	-
delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.			PRINT N	AME //				1 1 10	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27418 Vehicle ID: TEV135 Act 90 Decal: WH1548

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Facility Approval#: 103150018

Grossa

Tares

Meta

Job Name: Dayco Corp/L.E. Carpenter Sup

Time

Tns 35.29

13,42

21.87

Scale

P.T.

Scale 1

Job Address: 170 N. Main St. Wharton, NJ 07885

Ticket: 315000031699

Date

Lbs

70580

26840

43740

In: 4/1/2010 10:40:51

Out: 4/1/2010 10:41:14

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

21.87 Ths

Storage Area: Area 1 Comment:

Drivers

Facility:

Saravo, Joseph M

All Correspondence and Invoices to: **Environmental Waste Minimization, Inc.** 27418 & Rapid Response, Inc. 14 Brick Kiln Court 103802 Northampton, PA 18067 Job/Project # Phone 484-275-6900 Fax 484-275-6970 THIS SECTION TO BE COMPLETED BY GENERATOR: COMPANY NAME/ADDRESS IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. L.E. Carpenter & Company São Address: 33587 Welker Road 170 N. Main Street 24 HOUR EMERGENCY PHONE # Avon Lake, OH. 44012 Wharton, NJ 07885 877-460-1038 APPROVAL QUANTITY SIZE/TYPE DESCRIPTION WEIGHT/VOLUME CODE XX1 DT Non-Hazardous Suit, DOT/RCRA Non-Regulated Est. 22 Tons 103150018 Clean Earth PO # 01-103802-01 GENERATOR'S SIGNATURE 1 DATE I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable RRINT NAME regulations of the DOT and the EPA. THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER: COMPANY NAME PHONE NO. 167 Stephens Park Road 598 8845 Rainbow Trucking Hacketistown, NJ 07840 VEHICLE I.D. NO. STATE **BOX NUMBER-IN BOX NUMBER-OUT** COMMENTS 135 DRIVER'S SIGNATURE I Hereby certify that the above described waste(s) 1 Zemin 4/1/10 were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed PRINT DRIVER'S NAME hereupon. THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR) FACILITY NAME **ADDRESS** PHONE NO. Clean Earth of Southeast 7 Steel Road East Morrisville, PA 19067 215-428-1700 Permsylvania COMMENTS **AUTHORIZED SIGNATURE** I Hereby certify that the above described wastes were 4.1.10

delivered to this Facility, that the Facility is authorized

and permitted to receive such wastes.

PRINT NAME

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27419 Vehicle ID: TEV06

Act 90 Decal:

Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

Soil Treatment Type IV

Storage Area: Area 1

Facility:

Sirayo, Joseph M

Ticket: 315000031701

Scale Date Time In: 4/1/2010 Scale 1 10:44:42 4/1/2010 10:45:24 P.T.

Lbs Tns 70820 35.41 Grossa 13.37 Tare: 26740 22.04 Net: 44080

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

22.04 Ths

Driver:

Not Applicable

Comments

Origin

	<u> </u>		· • • · · · · · · · · · · · · · · · · ·					
	Court PA 18067 5-6900	on, Inc. Docum	nent #274	103802				
THIS SECTION TO	BE COMPLETED BY	GENERATOR:						
COMPANY NAME/ADDRESS IN CASE OF			•	RGENCY OR SPILL CONTACT				
		Site Address: 170 N. Main Street		Rapid Response, Inc.				
		Wharton, NJ 07885	1 24 HOUR EMERGENCY PHONE #					
QUANTITY	SIZE/TYPE	DESCRIPT	TION	APPROVAL CODE	WEIGHT/VOLUME			
PXX	DT	Non-Hazardous Soil, DOT	/RCRA Non-Regulated	103150018	Est. 22 Tons			
				ibi.				
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i.			·					
		Clean Earth PO #	01-103802-01		a waste for	ege.C		
lassified, described,	the above named waste packaged, marked, and la transportation according t	abeled and are in to the applicable RRIN NAME	aulibring		DATE - U/I/D	中で 一日 日本の		
	·	HAULER / TRANSPORTER:	behalf of L.E. Casponto's Company					
COMPANY NAME		ADDRESS		<u></u>	PHONE NO.	20.5		
Rainbow Tru	<i>ic</i> king		hens Park Road town, NJ 07840		(973) 598 8845			
MEHICLE I.D. NO. AL 5 105	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS			
vere accepted for tra	the above described was ansportation at the produce waste facility. Both as li	cer's (C. C. C	per		DATE			
THIS SECTION TO	BE COMPLETED BY F	RECEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATO	R		
	Earth of Southeast 'ennsylvania		7 Steel Road East orrisville, PA 19067		PHONE NO. 215-428-1700			
COMMENTS								
	e above described wastes y, that the Facility is autho ve such wastes.	l l	Z		DATE 4.1.10			

Clean Earth o	f Southeast Pennsylvania		Ticket:	3150000317	04		
7 Steel Road				Date	Time	Scale	
Morrisville, I	· · · · · · · · · · · · · · · · · · ·		Ins		10:53:35	Scale	1.
	-1700 Fax: (215) 428-170	4	Out	4/1/2010	10:53:57	F. T.	
		A N		Lbs	Tns		
Manifest:		France	Gross:	74100	37.05		
Vehicle ID:	NIC103		Tares	24700	12.35		
Act 90 Decals	WH7892		Neta	49400	24.70		
Customer:	EWMI	ı		•			
		Facility App					
	L.E. Carpenter & Company			Dayco Corp		enter E	iu
	33587 Walker Rd.	Job A	ddress:	170 N. Mai			
•	Avon Lake, OH 44012			Wharton, N	J 07885		

	Court PA 18067 5-6900	Do	ocument # 274	103802	
THIS SECTION TO	BE COMPLETED BY GE	ENERATOR:			
LE. Carpenter & Company Site Address: 33587 Walker Road 170 N. Mein Stree Avon Lake, OH. 44012 Wharton, NJ 078			IN CASE OF EMERGENC	Y OR SPILL CONT	, 10
			24 HOUR EMERGENCY PHONE # 877-460-1038		
QUANTITY	SIZE/TYPE	DESCI	RIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, D	OT/RCRA Non-Regulated	103150018	Est. 22 Tons
2.50		Clean Earth Po	Q # 01-103802-01		244
lassified, described,	the above named waste(s) packaged, marked, and label transportation according to 1 T and the EPA.	led and are in the applicable PRINT NAME	andipary		DATE 4/1 (10
HIS SECTION TO	BE COMPLETED BY HA	AULER / TRANSPORTER:			
COMPANY NAME		ADDRES	SS		PHONE NO.
Rainbow Tr.	ucking		Stephens Park Road etistown, NJ 07840		(973) 598 8845
AL725	P STATE N L	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
•	the above described waste(sansportation at the producer	*			DATE
ite for delivery to the ereupon.	waste facility. Both as liste	PRINT DRIVER'S NAM	E Wenover Vuss		04-01-10
HIS SECTION TO	BE COMPLETED BY REG	CEIVER AT DISPOSAL FACIL	ITY: (ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR)
ACILITY NAME		ADDRES		,	PHONE NO.
P	Earth of Southeast ennsylvania	gr	7 Steel Road East Morrisville, PA 19067		215-428-1700
COMMENTS			1		
• •	e above described wastes wer ty, that the Facility is authorize ve such wastes.		URE		DATE \$ 1.10
					1996 (1. July

Ticket: 315000031706 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East Tres 4/1/2010 10:57:39 Scale 1 Morrisville, PA 19067 Outs 4/1/2010 10:58:02 P.T. Phs (215) 428-1700 Fax: (215) 428-1704 Lbs Tris Manifest: 27422 69420 34.71 Grossa Vehicle ID: GRE203 26920 13,46 Tare: Act 90 Decal: WH12291 42500 21,25 Met: Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit Not Applicable Soil Treatment Type IV 21.25 Tns

Storage Area: Area 1

		·					
Environmental & Rapid Response		, Inc.	Docume	ent# 274	22		
14 Brick Kiln (Northampton, Phone 484-275 Fax 484-275-69	PA 18067 5-6900		Job/Proj	ect #	103802		
THIS SECTION TO	BE COMPLETED BY G	ENERATOR:					
COMPANY NAME/	ADDRESS	· · · · · · · · · · · · · · · · · · ·		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT	
33587 Walker Road 170 N. Main S		Site Address: 170 N. Main Street	<u>.</u>	-	pid Response,	Inc.	
		Wharton, NJ 0788	95	24 HOUR EMERGENCY F	877-460-1038	, ,	
QUANTITY	SIZE/TYPE		DESCRIPTIO	DN	APPROVAL CODE	WEIGHT/VOLUM	ΛE
XX1	DT	Non-Hazardous S	ioil, DOT/R	ICRA Non-Regulated	103150018	Est. 22 Tons	
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		<u></u>					
		Clean Ea	rth PO#0	1-103802-01			
						The second secon	1. Villeting in the life A
classified, described, p	the above named waste(s backaged, marked, and labe ransportation according to and the EPA.	eled and are in the applicable		ANATURE SILLE Company		DATE - U(1/10	
THIS SECTION TO	BE COMPLETED BY H	AULER / TRANSPORTE	R:		· · · · · · · · · · · · · · · · · · ·		
COMPANY NAME			DDRESS			PHONE NO.	
Rainbow Tru	rcking			ens Park Road wn, NJ 07840		(973) 598 884	5
VEHICLE I.D. NO.	STATE NJ	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS	
	he above described waste(· ·	ATURE	五)		DATE	
	nsportation at the produce waste facility. Both as liste		NAME	Sau Ponza	lec	4-1-10)
THIS SECTION TO	BE COMPLETED BY RE	CEIVER AT DISPOSAL	FACILITY: (0	ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENE	:RATOR)
	Earth of Southeast ennsylvania	AC		Steel Road East		PHONE NO. 215-428-170	
COMMENTS	and the second		7 1% ·				
•	above described wastes we		GNATURE	A)		DATE 4.1.10)
delivered to this Facility and permitted to receive	PRINT NAME						

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph. (215) 428-1700 Fax: (215) 428-1704

Manifest: 27423

Vehicle ID: RATID2 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker RdC Avon Lake, OH 440/2

Magerial's & Services Origin

Ticket: 315000031725

Date Time Scale Ins 4/1/2010 12:16:05 Scale 1 4/1/2010 12:16:24 Out: P.T.

Lbs Tris 72240 36.12 Gross: 26760 13.38 Tares Nets 45480 22.74

Facility Approval## 103150018

Job Mame: Dayco Corp/L.E. Carpenter Sup Job Address: 170 N. Main St.

Wharton, NJ 07885

Quantity Unit

9611 Treatment Type IV Not Applicable

22.74 Ths

	<u> </u>							
			Docum	ent# 274	23	:		
Northampton, Phone 484-275 Fax 484-275-6	PA 18067 5-6900		Job/Pro	oject #	103802			
THIS SECTION TO	BE COMPLETED BY	GENERATOR:						
COMPANY NAME/	ADDRESS			IN CASE OF EMERGENC	Y OR SPILL CONT	ACT		
L.E. Carpenter & Company 33587 Walker Road Avon Lake, OH. 44012 Size Address: 170 N. Main Stre Wharton, NJ 07				Rapid Response, Inc.				
		Wharton, NJ 078		24 HOUR EMERGENCY F	PHONE # 877-460-1038			
QUANTITY	SIZE/TYPE	·	DESCRIPTION	ON	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT	Non-Hezardous S	Soil, DOTA	RCRA Non-Regulated	103150018	Est. 22 Tons		
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				- 16 '-				
**				5				
		Clean Ea	wth PO#(01-103802-01				
		*		Andrew Commence of the Commenc	The transfer of the state of th			
classified, described,	the above named was packaged, marked, and transportation according I and the EPA.	labeled and are in to the applicable	RATOR'S SI	GNATURE LUN about of LE. Conpositor & Conspany		DATE		
THIS SECTION TO	BE COMPLETED BY	HAULER / TRANSPORTI	ER:		,			
COMPANY NAME		Al	DDRESS			PHONE NO.		
Rainbow Tru	xking	ч		ens Park Road own, NJ 07840		(973) 598 8845		
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS		
AL3745	102							
	the above described wa	` '	ATURE	WWO .		DATE		
site for delivery to the hereupon.	waste facility. Both as	listed PRINT DRIVER'S	S NAME	ugel FRANC	٥	4/1/10		
THIS SECTION TO	BE COMPLETED BY	RECEIVER AT DISPOSAL	FACILITY: (ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR		
FACILITY NAME			DDRESS			PHONE NO.		
Р	Earth of Southeas 'ennsylvania		41 34	Steel Road East misville, PA 19067		215-428-1700		
COMMENTS					on There is a			
	e above described wastes y, that the Facility is auth ve such wastes.		IGNATURE	1		DATE 4.1.10		

Ticket: 315000031726 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/1/2010 12:18:08 Scale 1 Ins Morrisville, PA 19067 4/1/2010 12:18:22 P.T. Outs Ph: (215) 428-1700 Fax: (215) 428-1704 L.bs Tns Manifest: 27424 75960 37, 98 Grossa Vehicle ID: NIC80 13.42 26840 Tare: 24.56 Act 90 Decal: WH7892 Met: 49120 Customer: EWMI Goproval#: 103150018 Facility Generator: L.E. Carpenter & Company Job Mame: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Material & Services Origin Quantity Unit Not Applicable Soil Treatment Type IV 24.56 Ths

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970		Doc	ument # 274 /Project #	103802		
THIS SECTION TO	BE COMPLETED BY G	ENERATOR:				
COMPANY NAME/A	ADDRESS	,	IN CASE OF EMERGENC			
33587 Walker Road 170 N. Main S		Site Address:	Re	inc.		
		Wharton, NJ 07885	24 HOUR EMERGENCY PHONE # 877-460-1038			
QUANTITY	SIZE/TYPE	DESCRI	PTION	APPROVAL CODE	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous Soil, DO	T/RCRA Non-Regulated	103150018	Est. 22 Tons	
-	The state of the s			1		
		· · · · · · · · · · · · · · · · · · ·	<u> </u>			
		Clean Earth PO	#01-103802-01			
classified, described, proper condition for tregulations of the DOT		eled and are in the applicable PRINT NAME	S SIGNATURE GAWLET OF COMMON & COMMON		DATE 4 /10	
	BE COMPLETED BY H	AULER / TRANSPORTER:			<u> </u>	
COMPANY NAMÉ		ADDRESS			PHONE NO.	
Rainbow Tru	cking		ephens Park Road tistown, NJ 07840		(973) 598 8845	
/EHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	20	COMMENTS	
AL599A		#8	0 78	<u> </u>		
7	he above described wasternsportation at the produce		I Her		DATE	
	waste facility. Both as list	od DDINT DDIVEDIE NAME	YUlis ABYEL	l	4/1/10	
THIS SECTION TO I	BE COMPLETED BY RE		Y: (ONCE SIGNED, A COPY MUS		D TO EWMI AND GENERATOR)	
ACILITY NAME	arth of Southeast	ADDRESS	7 Steel Road East		PHONE NO.	
p	emsylvania		Morrisville, PA 19067		215-428-1700	
COMMENTS						
	above described wastes we		RE		DATE	
lelivered to this Facility and permitted to receiv	r, that the Facility is authorize such wastes.	PRINT NAME	(h)		4.1.10	

Ticket: 315000031734 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/1/2010 13:12:14 Scale 1 Ins Morrisville, PA 19067 Out: 4/1/2010 13:12:27 P. T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tns Manifest: 27427 Gross: 70420 35.21 Vehicle ID: RAIA90 13.53 Tare: 27060 43360__ 21.68 Act 90 Decals WH1544 Meta Customer: EWMI Facility Approval#: 103150018 Job Name: Dayco Corp/L.E. Carpenter Sup Generator: L.E. Carpenter & Company Gen Address: 33567 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012/ Wharton, NJ 07885 Materials & Services Quantity Unit Origin. Not Applicable Soil Treatment Type IV 21.68 Tns

14 Brick Kiln Court Northampton, PA 1967 Phone 484-275-6900 Fax 494-275-6900 This SECTION TO BE COMPLETED BY CENERATOR COMPANY NAME/ADDRESS LE. Capporter & Company 33567 Welker Road Avon Lake, OH. 44012 Minator, NJ 07865 Clean Earth PO \$ 01-103802-01 LE Capporter & Company 33567 Welker Road Avon Lake, OH. 44012 DT Non-Hizzardous Soil, DOTATCRA Non-Regulated COMPANY NAME Clean Earth PO \$ 01-103802-01 Clean Earth PO \$ 01-103802-01 DEFENTION Clean Earth PO \$ 01-103802-01 DEFENTI	Environmental W & Rapid Respons	•	nc. Docume	ent # 274	27	₹s.		
Company Name Abdress St.E. Carparative & Company 33567 Walker Road Avoro Lake, OH. 44012 Wharton, NJ 07885 24 HOUR EMERGENCY PHONE # 877-460-1038 QUANTITY SIZETYPE DESCRIPTION APPROVAL CODE WEIGHT/VOLUME AVOR Lake, OH. 44012 Wharton, NJ 07885 24 HOUR EMERGENCY PHONE # 877-460-1038 QUANTITY SIZETYPE DESCRIPTION APPROVAL CODE WEIGHT/VOLUME CODE & WEIGHT/VOLUME COD	Northampton, PA	A 18067 900		oject #	103802			
LE. Carpentier & Company 33587 Welker Road Avon Lake, OH. 44012 Sito Address: TO N. Main Street Whenton, NJ 07985 DESCRIPTION APPROVAL CODE XX1 DT Non-Hazzardous Soil, DOT/RCRA Non-Regulated CODE Code Code Code Code APPROVAL CODE WEIGHT/VOLUME CODE Sito Address: 170 N. Main Street Whenton, NJ 07985 DESCRIPTION APPROVAL CODE WEIGHT/VOLUME CODE Sito Address: 1877-460-1038 WEIGHT/VOLUME CODE CODE TO SITO NO Non-Hazzardous Soil, DOT/RCRA Non-Regulated 103150018 Est. 22 Tons DATE PRINT NAME Code	THIS SECTION TO BE	COMPLETED BY GEN	NERATOR:					
ANOT Lake, OH. 44012 TO N. Mean Street Wheaton, N.J. 07885 QUANTITY SIZETYPE DESCRIPTION APPROVAL CODE XX1 DT Non-Hazardous Soil, DOT/RCRA Non-Regulated 103150018 Est. 22 Tons Clean Earth PO # 01-103802-01 DATE Heavy currily that the above named washirid asis properly identified, described, pellegad, marked, and labeled and are in appropriate indication according to the applicable pellegad, marked, and labeled and are in appropriate indication according to the applicable pellegad marked, and labeled and are in appropriate indication according to the applicable pellegations of the DOT and the EPA. THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER COMPANY NAME ADDRESS PHONE NO. STATE BOX NUMBER-IN BOX NUMBER-OUT DATE History certify that the above described vasation are interested in the reportation at the productor's table for delivery to the waste facility. Both as listed pelling for the productor's table for delivery to the waste facility. Both as listed PHINT DRIVER'S SIGNATURE	COMPANY NAME/ADI	DRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT		
Avon Liske, OH. 44012 Wharton, NJ 07885 QUANTITY SIZE/TYPE DESCRIPTION APPROVAL CODE WEIGHT/VOLUME XX1 DT. Non-Hazzardous Soil, DOT/RCRA Non-Regulated 103150018 Est. 22 Tons Closen Earth PO # 01-103802-01 Hereby certify that the above named waste(s) are properly asserted, described, packaged, marked, and labeled and are in proper confibro for imagnotation according to the appealable gradients of the DOT and the EPR PRINT NAME ADDRESS PHONE NO. STATE BOX NUMBER-IN BOX NUMBER-IN BOX NUMBER-OUT COMMENTS DRIVER'S SIGNATURE Hereby certify that the above described waste(s) and included and waste(s) are properly asserted to the waste facility. Both as listed prevalence on the facility of the waste facility. Both as listed prevalence for transportation at the producer's late for delivery to the waste facility. Both as listed prevalence for transportation at the producer's late for delivery to the waste facility. Both as listed prevalence for transportation at the producer's late for delivery to the waste facility. Both as listed prevalence for transportation at the producer's late for delivery to the waste facility. Both as listed prevalence for transportation at the producer's late for delivery to the waste facility. Both as listed prevalence for transportation at the producer's late for delivery to the waste facility. Both as listed prevalence for transportation at the producer's late for delivery to the waste facility. Both as listed prevalence for transportation at the producer's late for delivery to the waste facility. Both as listed prevalence for transportation at the producer's late of delivery to the waste facility. Both as listed prevalence for transportation at the producer's late for t				۶.				
Clean Earth PO # 01-103802-01 DATE CLEAN COMPLETED BY HAULER / TRANSPORTER COMPLETED BY HAULER / TRANSPORTER ADDRESS PHONE NO. This Section to Be CoMPLETED BY HAULER / BOX NUMBER-IN DATE ALITY MAINE BOX NUMBER-IN BOX NUMBER-OUT DATE ALITY MAINE DATE FRINT DATE DATE FRINT DATE DATE FRINT DATE DATE FRINT DATE ALITY MAINE DATE FRINT DATE DATE FRINT DATE DATE FRINT DATE DATE FRINT DATE ALITY MAINE DATE FRINT DATE ALITY DATE ALITY MAINE DATE FRINT DATE ALITY MAINE DATE FRINT DATE FRINT DATE ALITY MAINE								
Closen Earth PO # 01-103802-01 Hereby certify that the above named waste(s) are properly blassified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable egiplations of the DOT and the EFA. DATE PRINT NAME SECTION TO BE COMPLETED BY HAULER / TRANSPORTER: ADDRESS Resimbow Trucking Hackestistown, NJ 07840 PRINT PRINT DRIVER'S SIGNATURE Hereby certify that the above described waste(s) between accepted for transportation at the producer's between accepted for transportation at the producer's bright as issted for delivery to the waste facility. Both as issted property in the second property of the waste facility. Both as issted property of the facility of the waste facility. Both as issted property of the facility	QUANTITY	SIZE/TYPE	DESCRIPTION	ON		WEIGHT/VOLUME		
Hereby certify that the above named waste(s) are properly plassified, described, packaged, marked, and labeled and are in rooper condition for transportation according to the applicable egulations of the DOT and the EPA. THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER: COMPANY NAME ADDRESS PHONE NO. 167 Stephens Park Road Hackettstown, NJ 07840 PRINT DRIVER'S SIGNATURE PHONE NO. 167 Stephens Park Road Hackettstown, NJ 07840 PRINT DRIVER'S SIGNATURE PRINT DRIVER'S SIGNATURE PRINT DRIVER'S SIGNATURE PRINT DRIVER'S NAME PRINT DRIVER'S NAME ADDRESS PHONE NO. DATE ### ### ### ### ### ### ### ### ### #	XX1	DT. I	Non-Hazardous Soil, DOT/I	RCRA Non-Regulated	103150018	Est. 22 Tons		
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Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable egulations of the DOT and the EPA. THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER: COMPANY NAME ADDRESS PHONE NO. 167 Stephens Park Road Hacketbstown, NJ 07840 PRINT DRIVER'S SIGNATURE PHONE NO. 167 Stephens Park Road Hacketbstown, NJ 07840 PRINT DRIVER'S SIGNATURE DATE PHONE NO. 167 Stephens Park Road Hacketbstown, NJ 07840 PRINT DRIVER'S SIGNATURE PHONE NO. DATE PHINT DRIVER'S SIGNATURE PHONE NO. 167 Stephens Park Road Hacketbstown, NJ 07840 PRINT DRIVER'S SIGNATURE PHONE NO. DATE PHINT DRIVER'S NAME PHONE NO. THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENER Pennsylvania PHONE NO. 215-428-1700 DATE PHONE NO. ADDRESS 7 Steel Road East Pennsylvania PHONE NO. AUTHORIZED SIGNATURE PHONE NO. DATE PHONE NO. AUTHORIZED SIGNATURE PHONE NO. DATE PHONE NO. AUTHORIZED SIGNATURE PHONE NO. DATE PHONE NO.			Clean Earth PO # 0)1-103802-01				
PRINT DRIVER'S SIGNATURE DATE Hereby certify that the above described waste(s) were accepted for transportation at the producer's ide for delivery to the waste facility. Both as listed PRINT DRIVER'S NAME THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER: COMPANY NAME ADDRESS PHONE NO. STATE BOX NUMBER-IN DRIVER'S SIGNATURE PRINT DRIVER'S NAME ADDRESS PRINT DRIVER'S NAME PRINT DRIVER'S NAME ADDRESS PHONE NO. DATE ### ADDRESS PRINT DRIVER'S NAME ### ADDRESS PHONE NO. THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENER Pennsylvania ADDRESS PHONE NO. **THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENER Pennsylvania **THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENER Pennsylvania **THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENER Pennsylvania **THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENER Pennsylvania **THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENER Pennsylvania **THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENER Pennsylvania **THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENER PENNSYlvania **THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENER PENNSYlvania **THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENER PENNSYlvania **THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENER PENNSYLVANIA BY AND GENERAL BY AND GENERAL BY AND G		_		A. T. C.		- Hard		
Terribow Trucking Rainbow Rainbow Rainbo	classified, described, pac proper condition for tran	ckaged, marked, and labeled esportation according to the	d and are in e applicable PRINT NAME	mulikung		DATE U/I/IO		
Rainbow Trucking Hackettstown, NJ 07840 AM 1916 Hereby certify that the above described wastes were delivered to this Facility, that the above described wastes were delivered to this Facility, that the above described wastes were described to this Facility, that the above described wastes were described to this Facility, that the above described wastes were described to this Facility, that the facility is authorized described to this Facility, that the Facility is authorized described to this Facility, that the Facility is authorized described to this Facility, that the Facility is authorized described to this Facility, that the Facility is authorized described to this Facility, that the Facility is authorized described to this Facility, that the Facility is authorized described to this Facility, that the Facility is authorized described to this Facility, that the Facility is authorized described to this Facility, that the Facility is authorized described to this Facility, that the Facility is authorized described to this Facility.	THIS SECTION TO BE	COMPLETED BY HAU	ILER / TRANSPORTER:					
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refrestly defined wasters accepted for transportation at the producer's site for delivery to the waste facility. Both as listed PRINT DRIVER'S NAME ### ### ### ### ### #### #### ########	VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS		
ADDRESS Clean Earth of Southeast Pennsylvania COMMENTS ADDRESS 7 Steel Road East Morrisville, PA 19067 215-428-1700 AUTHORIZED SIGNATURE DATE Collivered to this Facility, that the Facility is authorized Collivered to this Facility, that the Facility is authorized	were accepted for transp site for delivery to the wa	portation at the producer's		Hector Lope	ra			
Clean Earth of Southeast Pennsylvania Morrisville, PA 19067 215-428-1700 COMMENTS Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized DATE COMMENTS AUTHORIZED SIGNATURE DATE Comments AUTHORIZED SIGNATURE	THIS SECTION TO BE	COMPLETED BY RECE	EIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized	Clean Ear		7					
Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized DRINT NAME		I DYIVER BE	Mac	IIIDVIRE, F'/A 134/0/	<u>,</u>	215-920-1700		
Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized DRINT NAME								
I DDINT NAME / / \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	• •		AUTHORIZED SIGNATURE					
	•	•	PRINT NAME					

licket: 315000031735 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 13:17:02 Inc 4/1/2010 Scale 1 Morrisville, PA 19067 Outs 4/1/2010 13:17:21 P.T. Fax: (215) 428-1704 Ph: (215) 428-1700 Lbs Tos Manifest: 27428 Grossa 71680 35.84 Vehicle ID: RAI889 Tare: 26740 13,37 Act 90 Decal: WH1544 · Met: 44940 22.47 Customer: EWMI Facility(Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Job Address: 170 N. Main St. Gen Address: 33587 Walker Rd. Avon Lake, OH 4401£ Wharton, NJ 07885 Materials & gervices Origin Quantity Unit Mot Applicable Soil Treatment Type IV 22.47 Ths

THIS SECTION TO BE COMPLETED BY GENERATOR: COMPANY NAME/ADDRESS IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. 33587 Walker Road 170 N. Main Street 24 HOUR EMERGENCY PHONE #	
L.E. Carpenter & Company Site Address: Rapid Response, Inc.	
22507 Mailear Daned 470 M Main Chrysl	
Annual Allen Alex districts and the second s	
Avon Lake, OH. 44012 Wharton, NJ. 07885 877-460-1038	
QUANTITY SIZE/TYPE DESCRIPTION APPROVAL CODE	WEIGHT/VOLUME
XX1 DT Non-Hazardous Soil, DOT/RCRA Non-Regulated 103150018	Est. 22 Tons
	prest
Clean Earth PO # 01-103802-01	
Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA. THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:	DATE
	HONE NO.
167 Stephens Park Road	
Rainbow Trucking Hackettstown, NJ 07840 (9)	973 ₎ 598 8845
ALG40S NI 889	COMMENTS
Thereby certify that the above described waste(s)	H- 1-10
THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO	O EWMI AND GENERATOR)
Clean Earth of Southeast 7 Steel Road East Pennsylvania Morrisville, PA 19067	HONE NO. 215-428-1700
COMMENTS	
I Hereby certify that the above described wastes were	ATE
delivered to this Facility, that the Facility is authorized and permitted to receive such wastes. PRINT NAME	4.1.10

Ticket: 315000031736 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/1/2010 13:28:40 Scale 1 Ing Morrisville, PA 19067 4/1/2010 13:29:00 P.T. Oute Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tns Manifest: 27425 69140 34,57 Gross: Vehicle ID: RAI828 26440 13,22 Tare: 42700 21.35 Act 90 Decal: WH7892 Met: Customer: EWMI Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Quantity Unit Origin Materials & Sefvices Not Applicable Soil Treatment Type IV 21.35 Tns

Storage Area: Area

	ence and Invoices to I Waste Minimization onse, Inc.	n, Inc.	ent # 274	25	.:		
14 Brick Kiln (Northampton, Phone 484-275-6 Fax 484-275-6	Court PA 18067 5-6900	Job/Pro	oject #	103802			
HIS SECTION TO	BE COMPLETED BY	GENERATOR:					
COMPANY NAME/	ADDRESS	Site Address:	IN CASE OF EMERGENC	Y OR SPILL CONT. pid Response,			
33587 Walker Road 170 N. Main Street Avon Lake, OH. 44012 Wharton, NJ 07885			24 HOUR EMERGENCY PHONE # 877-460-1038				
QUANTITY	SIZE/TYPE	DESCRIPTION	DN NO	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT	Non-Hazardous Soil, DOT/I	RCRA Non-Regulated	103150018	Est. 22 Tons		
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lassified, described,	the above named waster packaged, marked, and later transportation according to Γ and the EPA.	beled and are in o the applicable RRINT NAME	GNATURE LUCIUM A COMPANY		DATE Ulifo		
HIS SECTION TO	BE COMPLETED BY H	HAULER / TRANSPORTER:	was to h. K. Campanam at terrogramy		<u> </u>		
OMPANY NAME		ADDRESS			PHONE NO.		
Rainbow Tru	icking		ens Park Road own, NJ 07840		(973) 598 8845		
EHICLE I.D. NO.	M854/ N).	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS		
ere accepted for tra	the above described waste	per's			DATE		
ereupon.	waste facility. Both as lis	PRINT DRIVER'S NAME	ainal Molli	NO.	4/1/16.		
HIS SECTION TO	BE COMPLETED BY R	RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUS	T BE FORWARDE			
	Earth of Southeast ennsylvania		Steel Road East		PHONE NO. 215-428-1700		
COMMENTS	₩ A CONSTRUCTION		risville, PA 19067		210-20-1700		
• •	e above described wastes w	i			DATE 4.//(
elivered to this Facility and permitted to receive	y, that the Facility is authorive such wastes.	PRINT NAME	and Balance	14/	47740.		

4. 1. icket: 315000031737 Clean Earth of Southeast Pennsylvania Date Scale Time 7 Steel Road East 4/1/2010 13:30:35 Scale 1 Ins Morrisville, PA 19067 4/1/2010 13:30:54 P.T. Out: Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tns 35.37 Manifest: 27426 70740 Gross: Vehicle ID:/RAI880 26140 13.07 Tare: Act 90 Decal WH1544 Net: 44600 22.30 Customers EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Materials & Services Quantity Unit Origin Soil Treatment Type IV 22.30 Not Applicable Tns

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Document #		103802		
THIS SECTION TO	BE COMPLETED BY	GENERATOR:		,			
COMPANY NAME/A	ADDRESS			IN CASE OF EMERGENC	Y OR SPILL CONT	ACT	
LE Carpentar & Company Site / 33587 Walker Road 170 /		Site Address: 170 N. Main Stre		Rapid Response, Inc. 24 HOUR EMERGENCY PHONE # 877-460-1038			
		Whenton, NJ 07					
QUANTITY	SIZE/TYPE		DESCRIPTION	N .	APPROVAL CODE	WEIGHT/VOLUME	
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Clear			Earth PO#0	1-103802-01			
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classified, described, p	the above named waste backaged, marked, and la ransportation according t and the EPA.	beled and are in the applicable	TERATOR'S SIGNATURE	MATURE MATURE		DATE - 4/1/6	
THIS SECTION TO	BE COMPLETED BY	HAULER / TRANSPOF	ITER:			· · · · · · · · · · · · · · · · · · ·	
COMPANY NAME			ADDRESS			PHONE NO.	
Rainbow Tru	cking			ens Park Road wn, NJ 07840		(973) 598 8845	
VEHICLE I.D. NO.	STATE V 3	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS	
I Hereby certify that the above described waste(s) were accepted for transportation at the producer's			RIVER'S SIGNATURE CLUBBLE RINT DRIVER'S NAME			DATE	
hereupon.	Nlex	MIRXANDER SIERRA			4-1-10		
THIS SECTION TO	BE COMPLETED BY F	RECEIVER AT DISPOS	AL FACILITY: (0	DNCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)	
FACILITY NAME Clean Earth of Southeast Pennsylvania			ADDRESS 7 Steel Road East Morrisville, PA 19067			PHONE NO. 215-428-1700	
COMMENTS			×.				
		AUTHORIZED	SIGNATURE		· · · · · · · · · · · · · · · · · · ·	DATE	
Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.			——————————————————————————————————————			4.1.10	

315000031740 Tickets Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/1/2010 13:36:21 Scale 1 Morrisville, PO/19067 Outs 4/1/2010 13:36:55 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704* Lbs Tris √Manifest ∕ 27429 Gross: 72740 36.37 Yehicle/IX RAI873 Tare: 26800 13, 40 Act 90 Decal: WH1544 Met: 45940 22,97 Customer: EWMI Facilyty Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. F. Job Address: 170 N. Main St. Avon Lake, OH 44012/ Wharton, NJ 07885 Origin Materials & Services, Quantity Unit Soil Treatment/Type IV 22.97 Tns Not Applicable

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970		Docur	Document # 274 Job/Project #				
THIS SECTION TO	BE COMPLETED BY GEN	IERATOR:					
COMPANY NAME/	ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT		
L.E. Carpenter & Company 33587 Whiker Road Avon Lake, OH. 44012		ile Address:	Rapid Response, Inc.				
		70 N. Main Street Vherton, NJ 07885	24 HOUR EMERGENCY F	PHONE #			
			877- 4 60-1038				
QUANTITY	SIZE/TYPE	DESCRIPT	TION	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT I	Non-Hazardous Soil, DOT/RCRA Non-Regulated		103150018	Est. 22 Tons		
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classified, described, proper condition for regulations of the DO		d and are in COM TO PRINT NAME	SIGNATURE MULIKUMAN SECTION & Company		DATE 4/1/10		
	BE COMPLETED BY HAU				BUONE NO		
COMPANY NAME		ADDRESS			PHONE NO.		
Rainbow Tru	sckina		ohens Park Road Bown, NJ 07840		973) 598 8845		
VEHICLE I.D. NO. STATE BOX NUMBER-IN			BOX NUMBER-OUT		COMMENTS		
AM 878 6	7 #87 NJ	(·		
were accepted for tra	the above described waste(s) ansportation at the producer's e waste facility. Both as listed	DRIVER'S SIGNATURE PRINT DRIVER'S NAME	De Strada		DATE 4) 1)10		
	RE COMPLETED BY DECI	IVED AT DISPOSAL FACILITY:		ST BE EODWADDE	D TO EWMI AND GENERATOR)		
FACILITY NAME	DE COMPLETED BY NECE	ADDRESS	(CNOL SIGNED, A COLT MO	OT DE TORWARDE	PHONE NO.		
Clean	Earth of Southeast Pennsylvania		7 Steel Road East orrisville, PA 19067		215-428-1700		
COMMENTS		<i>i</i>					
•	e above described wastes were	AUTHORIZED SIGNATURE			DATE		
delivered to this Facilit and permitted to recei	ty, that the Facility is authorized ive such wastes.	PRINT NAME	1/1		4.1.10		
		•	.				

Ticket: 315000031741 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East: Ing 4/1/2010 13:38:30 Scale 1 Morrisville, PA 19067 Out: 4/1/2010 13:38:56 P. T. Fax: (215) 428-1704 Ph: (215) 428-1700 Lbs Tris Manifest: 27430 **75700** 37.85 Grosss Vehicle ID: RAI872 26660 Tares 13.33 Act 90 Decal: WH1544 24.52 Met: 49040 Customer: EWMI. Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Job Address: 170 N. Main St. Gen Address: 33587 Walker Rd. Avon Lake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit Not Applicable Seil Treatment Type IV 24.52 Ths Storage Area: Area Comments

Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970		n, Inc.	ocument#274					
		Job	b/Project #	103802				
THIS SECTION T	O BE COMPLETED BY G	GENERATOR:						
COMPANY NAME	ADDRESS		IN CASE OF EMERGENO	CY OR SPILL CONT	ACT			
L.E. Carpenter & Company Site Address: 33587 Walker Road 170 N. Main Stre Avon Lake, OH. 44012 Wharton, NJ 076			R	Rapid Rasponse, Inc.				
		170 N. Mein Street Wharton, NJ 07885	24 HOUR EMERGENCY	24 HOUR EMERGENCY PHONE #				
9;				877-460-1038				
QUANTITY	SIZE/TYPE	DESCF	RIPTION	APPROVAL CODE	WEIGHT/VOLUME			
XX1	, DT	Non-Hazerdous Soil, DOT/RCRA Non-Regulated		103150018	Est. 22 Tons			
		· · · · · · · · · · · · · · · · · · ·						
			·					
Distriction of the second	Take the second of the second	Clean Earth PC	0#01-103802-01					
classified, described	nt the above named waste(, packaged, marked, and lab transportation according to DT and the EPA.	eled and are in the applicable PRINT NAME	S SIGNATURE,		DATE - 4/1/10			
THIS SECTION TO	O BE COMPLETED BY H	IAULER / TRANSPORTER:						
COMPANY NAME		ADDRES	SS		PHONE NO.			
Rainbow Ti	rucking		Stephens Park Road sitstown, NJ 07840		(973) 598 8845			
VEHICLE I.D. NO.		BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS			
• •	the above described waste	* * *		DATE				
were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon. PRINT DRIVER			JOSE MONTY	41110				
THIS SECTION TO	D BE COMPLETED BY RI	ECEIVER AT DISPOSAL FACILI	ITY: (ONCE SIGNED, A COPY MU	JST BE FORWARDE	D TO EWMI AND GENERATOR)			
FACILITY NAME	Earth of Southeast	ADDRES	S 7 Steel Road East		PHONE NO.			
	Permsylvania	3	Morrisville, PA 19067		215-428-1700			
COMMENTS			21					
= =	he above described wastes w lity, that the Facility is authori pive such wastes.		JRE /		DATE 4. 1. 10			

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27431 Vehicle ID: TEV14 Act 90 Decal: WH1548 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Origin

Material & Services

Not Applicable

Soil Treatment Type IV

Storage Area: Area 1 Comment:

Drivers

Ticket: 315000031742

Date Time Scale

In: 4/1/2010 13:45:50 Scale 1

Out: 4/1/2010 13:46:17 P.T.

Lbs Tns Gross: 79980 39.99 Tare: 27240 13.62 Net: 52740 26.37

FAcility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

26.37 Tns

Facility:

Siravo Loseph M

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc.		Inc.	Document # 274		431		
14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Job/Proje	ct #/	103802		
HIS SECTION 1	TO BE COMPLETED BY GE	ENERATOR:	, v ₄		· · · · · · · · · · · · · · · · · · ·	:	•
OMPANY NAM	E/ADDRESS			IN CASE OF EMERGENC	Y OR SPILL CONT	ACT	
		Site Address:		Re	Rapid Response, Inc.		
33587 Wei Avon Lake		170 M. Main Street Wharlon, N.J. 0788		24 HOUR EMERGENCY PHONE # 877-460-1038			
QUANTITY	SIZE/TYPE	·	DESCRIPTION	N	APPROVAL CODE	WEIGHT/VOLUME	٠.
XX1	DT	Non-Hazardous S	oil DOT/RO	CRA Non-Regulated	103150018	Est. 22 Tons	
·		•					
- 4. - 1					,		
· · · · · · · · · · · · · · · · · · ·			· ·				
	7				î		
		Clean Earth PO # 01-103802-01			Comment of		
	\$ T		,	7			
assified, described	at the above named waste(s) d, packaged, marked, and label r transportation according to t OT and the EPA.	led and are in the applicable		NATURE LECTURE OF OFFICE CONTROL & CONTROL		DATE / //b	4
HIS SECTION T	O BE COMPLETED BY HA						
OMPANY NAME		AD	DRESS			PHONE NO.	
Rainbow T	inucking			ns Park Road m, NJ 07840		(973) 598 8845	
AK123		BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS	
ere accepted for	t the above described waste(s transportation at the producer' the waste facility. Both as listed	s	NAME	3. Bailey		#/1/10	
HIS SECTION T	O BE COMPLETED BY REC	CEIVER AT DISPOSAL I	FACILITY: (O	NCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATO	OR)
				teel Road East sville, PA 19067		PHONE NO. 215-428-1700	
OMMENTS				^			-
Hereby certify that the above described wastes were elivered to this Facility, that the Facility is authorized and permitted to receive such wastes. AUTHORIZE			GNATURE	(1)		DATE ((C)	

315000031743 Tickets Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/1/2010 13:47:51 Scale 1 Ins Morrisville, PA 19067 Outs 4/1/2010 13:48:13 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Ths Lbs Manifest: 27433 Gross: 72520 36,26 Vehicle ID: TEV66 26940 13,47 Tares Act 90 Decal: WH1548 Nets 45580 22.79 Customer: EWMI Factlity Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Roll Job Address: 170 N. Main St. Avon Lake, OH 4012 Wharton, NJ 07885 Materials & Services Quantity Unit Origin

Soil Treatment Type IV

Not Applicable

22.79 Tms

				. 34.					
All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970		Job/Project #		433					
				·	103802				
HIS SECTION	ГО ВЕ СОМР	ETED BY GEN	IERATOR:			,		٠	
OMPANY NAM	E/ADDRESS	 	·		IN CASE OF EMERGENC	CY OR SPILL CONT	ACT		
	miter & Con		Sile Address: 170 N. Main Street Wharton, NJ 07895		R	apid Response,	Inc.		
33587 We Avon Lake	o, OH: 4401				24 HOUR EMERGENCY PHONE # 877-460-1038				
QUANTITY	. SIZE/T	YPE		DESCRIPTION	ON .	APPROVAL CODE	WEIGHT/VOLUM	E	
XX1	D	T 0	ton-Hazardous	Soil, DOT/F	CRA Non-Regulated	103150018	Est. 22 Tons		
					i.			2.85	
A STATE OF THE STA									
<u>`</u>							The second of		
								*	
athair verse	ta sanakan sanakan		Clean F	with PO # 0	1-103802-01				
			. Vajke	2011 0 11 0	a sourcement of a		and the second s		
Hereby certify the assified, described roper condition for a guilations of the D	d, packaged, ma r transportation	arked, and labeled according to the	and are in applicable	T NAME	ENATURE ' LEVA COMPANY MET ALE COMPANY		DATE 4/1/0		
HIS SECTION 1	O BE COMPI	ETED BY HAU	LER / TRANSPORT	ER:	·				
OMPANY NAMI	E		.; A	DDRESS			PHONE NO.		
Rainbow Trucking			167 Stephens Park Road Hackettstown, NJ 07840			(973) 598 8		,	
EHICLE I.D. NO).		BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS		
	at the above do	NO	DRIVER'S SIGN	IATURE	101	· · · · · · · · · · · · · · · · · · ·	DATE	•	
Hereby certify that the above described waste(s) ere accepted for transportation at the producer's te for delivery to the waste facility. Both as listed		Ulman				H/1/10.			
ereupon.			FRINT DRIVEN	S NAIVIE	olman		rillio.		
HIS SECTION T	O BE COMPL	ETED BY RECE	IVER AT DISPOSAI	L FACILITY: (0	ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENER	RATOR)	
ACILITY NAME	Earth of S	a. Jå. a	A	DDRESS	Cinal Dani East		PHONE NO.		
OMMENTS	Pennsylva				Steel Road East risville, PA 19067		215-428-1700)	
OIVIIVICINIO					·				
Hereby certify that	the above descr	ibed wastes were	AUTHORIZED S	SIGNATURE			DATE		
plivered to this Facility, that the Facility is authorized and permitted to receive such wastes.		PRINT NAME		(14)		4.1.10			

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27432 Vehicle ID: TEV22 Act 90 Decal: WH1548 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Ad.

Avon Lake, 0f 49012

Origin

Materials & Services

Not Applicable

Soil Treatment Type IV

Storage Area: Area 1 Comment:

Drivers

Ticket: 315000031744

Date Time Scale 4/1/2010 13:49:54 Ins Scale 1 4/1/2010 13:50:17 P.T. Outa

Lbs Ths Gross: 73420 36.71 25040 12,52 Tare: Neta 48380 24,19

Facility Approval#: 103150018

Tob Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

24, 19 Ths

Facility:

Joseph M

Environmental Waste Minimization, Inc. & Rapid Response, Inc.		, Inc.	Document # 27432				
14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Job/Preject #		103802		
THIS SECTION TO	BE COMPLETED BY G	ENERATOR:				· · · · · · · · · · · · · · · · · · ·	_
COMPANY NAME	ADDRESS	<u> </u>	I	N CASE OF EMERGENC	Y OR SPILL CONT	ACT	_
	ter & Company	Site Address:		Re	Rapid Response, Inc.		
2		170 N. Main Street Wharton, NJ 07885	2	24 HOUR EMERGENCY PHONE #			_
s to out a control	THE REAL PROPERTY OF THE PARTY	The second secon			877-460-1038	36	
QUANTITY	SIZE/TYPE	DE	ESCRIPTION		APPROVAL CODE	WEIGHT/VOLUME	_
XX1	ra	Non-Hazardous Soit, DOT/RC		RA Non-Regulated	103150018	Est. 22 Tons	
	*						
		<u> </u>					_
					/		
							-
18ab j. j. n. 1		Clean Earth PO # 01-103802-01					
·		<i>#</i>	· ·	•			100 m
classified, described,	the above named waste(s packaged, marked, and labe transportation according to T and the EPA.	s) are properly eled and are in the applicable	AME	TURE ALE Companies & Company		DATE 4/1/10	
THIS SECTION TO	BE COMPLETED BY H	AULER / TRANSPORTER	:				-
COMPANY NAME			RESS			PHONE NO.	
Rainbow Tr	ucking			s Park Road ı, NJ 07840		(973) 598 8845	
VEHICLE I.D. NO. STATE BOX NUMBER		BOX NUMBER-IN	R-IN BOX NUMBER-OUT			COMMENTS	
	the above described wasted	(8)	PRIVER'S SIGNATURE			DATE	
were accepted for the site for delivery to the hereupon.		NT DRIVER'S NAME			4-1-10		
THIS SECTION TO	BE COMPLETED BY RE	CEIVER AT DISPOSAL FA	ACILITY: (ON	CE SIGNED, A COPY MUS	ST BE FORWARDE	ED TO EWMI AND GENERATOR	i)
FACILITY NAME		ADD	RESS	and filment from		PHONE NO.	
Clean Earth of Southeast Pennsylvania				eel Road East ville, PA 19067	215-428-1700		
COMMENTS				,		4	
	e above described wastes we ty, that the Facility is authoriz ive such wastes.		NATURE O	of /	h	DATE 4/1/0	_
				1			

Ticket: 315000031745 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/1/2010 13:51:20 Scale 1 Inc Morrisville, PA 19067 13:51:54 Out: 4/1/2010 P.T. Fax: (215) 428-1704 Ph: (215) 428-1700 Lbs Tns Manifest: 27434 72520 36.26 Gross: Vehicle ID: NIC202 26720 13.36 Tares Act 90 Decal: WH7898 45800 22.90 Net: Customer: EWM Facility Approval#: #03150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit Not Applicable Soil Treatment Type IV 22.90 Tns

Storage Area: Area 1 Comment:

All Correspondence and Invoices to:

& Rapid Resp 14 Brick Kiln Northampton, Phone 484-27 Fax 484-275-6	Court , PA 18067 5-6900	, mc.	Docume Job/Pro		103902			
	D BE COMPLETED BY G	ENERATOR:			·			
COMPANY NAME				IN CASE OF EMERGENCY				
L.E. Carper 33587 Welk	tier & Company ser Road	Site Address: 170 N. Main Stree			pid Response,	# 13.		
	OH. 44012	Wharton, NJ 078		24 HOUR EMERGENCY PHONE # 877-460-1038				
QUANTITY	SIZE/TYPE		DESCRIPTION	DN	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT	Non-Hazardous	Soil, DOT/F	CRA Non-Regulated	103150018	Est. 22 Tons		
		· · · · · · · · · · · · · · · · · · ·		<u> </u>				
•						1.00		
		<u> </u>	· .					
and a miley little garden		Clean Ea	enth PO#0	1-103802-01				
active and production and	~	. 8%	7					
classified, described,	t the above named waste(spackaged, marked, and labutransportation according to and the EPA.	eled and are in the applicable	T NAME	MATURE WILLE Compositor & Company		DATE - 4/1/10		
THIS SECTION TO	BE COMPLETED BY H	AULER / TRANSPORT	ER:					
COMPANY NAME		А	DDRESS			PHONE NO.		
Rainbow Tr	ucking			ens Park Road xwn, NJ 07840		(973) 598 8845		
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS		
AM 85GL	N.A							
	the above described waste ansportation at the produce	` '	IATURE	w/hh		DATE		
· ·	e waste facility. Both as list		'S NAME	esi Bel	Layo	04/01/10		
THIS SECTION TO	BE COMPLETED BY RE	ECEIVER AT DISPOSAL	L FACILITY: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
FACILITY NAME	Earth of Southeast	А	DDRESS 7	Steel Road East		PHONE NO.		
<u> </u>	Pernsylvania	<u> </u>		risville, PA 19067		215-428-1700		
COMMENTS				e a				
	ne above described wastes w		SIGNATURE			DATE		
delivered to this Facili and permitted to rece	ty, that the Facility is authorizive such wastes.	PRINT NAME				4.1.10		
				100				

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27435 Vehicle ID: GRE210 Act 90 Decal: WH12291 Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Avon Lake, OH 4401

Origin

Materials/& Services

Not Applicable

Soil Treatment Type IV

Storage Area: Area 1 Comments

Driver:

Siravo, Joseph M

Ticket: 315000031746

Date Time Scale Ins/ 4/1/2010 Scale 1 13:53:45 Out: 4/1/2019 13:54:08 P.T.

Lbs Tris 35.13 Grossi 70260 Tare: 27800 13.90 42460 21.23 Net:

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Wharton, NJ 07885

Quantity Unit

21.23 Tns

Facility:

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970 THIS SECTION TO BE COMPLETED BY GENERATOR:			Document # 27435 Job/Project # 103802					
THIS SECTION	ГО ВЕ СОМ	PLETED BY G	ENERATOR:					
COMPANY NAM	E/ADDRESS	5			IN CASE OF EMERGENC			
L.E. Carps 33587 We			Site Address: 170 N. Main Stre	and the same	Ra	pid Response,	inc.	
Avon Lake			Wheaton, NJ 07		24 HOUR EMERGENCY F	HONE # 877-460-1038	3	
QUANTITY	SIZE	TYPE	<u> </u>	DESCRIPTIC		APPROVAL CODE	WEIGHT/VOLUME	
XX1		от	Non-Hazardous	Soil, DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons	
				**				
· · · · · · · · · · · · · · · · · · ·		Mary Company		· · · · · · · · · · · · · · · · · · ·			·	
N.								
			Clean E	arth PO#0	1-103802-01			
e given de la				1				
Hereby certify the classified, describe coroper condition for egulations of the D	d, packaged, r er transportation	marked, and labo on according to	eled and are in the applicable	NT NAME	NATURE LECTRONIC & COMPANY		DATE 4/1/10	
THIS SECTION 1	ГО ВЕ СОМІ	PLETED BY H	AULER / TRANSPOR	TER:				
COMPANY NAM	E			ADDRESS			PHONE NO.	
Rainbow 1	rucking		· · · · · · · · · · · · · · · · · · ·		ens Park Road wn, NJ 07840		(973) 598 8845	
VEHICLE I.D. NO PM 638D		STATE PJ	BOX NUMBER-IN		BOX NUMBER-OUT	Secretary	COMMENTS	
Hereby certify that			' ' I	NATURE /	Jaluet		DATE	
site for delivery to nereupon.	the waste faci	lity. Both as list	PRINT DRIVE	R'S NAME	Edisson Valo	encra	4/01/10	
THIS SECTION T	O BE COMP	PLETED BY RE	CEIVER AT DISPOSA	AL FACILITY: (0	DNCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)	
FACILITY NAME		Southeast			Sleel Road East		PHONE NO.	
COMMENTS	Pennsylva	<u>ania</u>		Mon	risville, PA 19067		215-428-1700	
					A			
Hereby certify that delivered to this Fac				SIGNATURE			DATE	
and permitted to rec	•		PRINT NAME		(/W		7.1.10	
					<u> </u>			

Ticket: 3150000031747 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East In: 4/1/2010 13:57:55 Scale 1 Morrisville, PA 19067 Outs 4/1/2010 13:58:14 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Tns Lbs Manifest: 27436 Aross: 73440 36,72 Vehicle ID: GRE209 Tares 27440 13.72 Act 90 Decal: WH12291 Note. 46000 23.00 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Y Job Address: 170 N. Main St. Avon Lake, OH 440120 / Wharton, NJ 07885 Materials & Services Origin Quantity Unit Soil Treatment Type IN 23.00 Tns Not Applicable

Storage Area: Area 1

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Docume Job/Řroj		103902		-
THIS SECTION TO I	BE COMPLETED BY G	ENERATOR:					
COMPANY NAME/A	DDRESS			IN CASE OF EMERGENCY	OR SPILL CONT	ACT	
	er & Company	Site Address:	· _	Raj	pid Response,	inc.	
33587 Walke Avon Lake, C		170 N. Main Stro Wharton, NJ 07		24 HOUR EMERGENCY PI	Y PHONE # 877-460-1038		
QUANTITY	SIZE/TYPE		DESCRIPTIO	DN	APPROVAL CODE	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous	Sol, DOT/F	ICRA Non-Regulated	103150018	Est. 22 Tons	
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				<u>.</u>	4:		
	- 4						
			E 1				
est to	369	Clean I	Earth PO#0	1-103802-01			
		34 F					404
classified, described, pa	the above named waste(s ackaged, marked, and labe ansportation according to and the EPA.	led and are in the applicable	NT NAME	INATURE · JUBILINICY LET OLE Company		DATE UNID	
THIS SECTION TO E	BE COMPLETED BY HA	AULER / TRANSPOR	RTER:				
COMPANY NAME			ADDRESS			PHONE NO.	
Rainbow Trux	king	:		ens Park Road wm, NJ 07840		(973) 598 8845	
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS	
AM637	\triangleright	Λ	1				
•	e above described waste(sportation at the producer	· / \//#	NATURE 1	Zapata		DATE	
	waste facility. Both as liste		R'S NAME	Zaputa		04/01/10	
THIS SECTION TO E	BE COMPLETED BY RE	CEIVER AT DISPOS	AL FACILITY: (0	ONCE SIGNED, A COPY MUS	T BE FORWARDE	D TO EWMI AND GENERAT	OR)
FACILITY NAME			ADDRESS			PHONE NO.	
7.5	arth of Southeast unsylvania			Steel Road East risville, PA 19067		215-428-1700	
COMMENTS	, A						
			SIGNATURE	1		DATE	
Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes. PRINT NAME				/h)	4.1.10	

Ticket: 315000031748 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/1/2010 14:12:12 In: Scale 1 Morrisville, PA 19067 Out: 4/1/2010 14:12:36 Phr (215) 428-1700 / FAXT (215) 428-1704 P. T. Lbs Tris Manifests 27437 71320 35,66 Gross: Vehicle ID: RAISOS 27120 Tares 13.56 Act 90 Decal: WH1544 Neta 44200 22, 10 Customer: EWII Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Waller Rd. Job Address: 170 M. Main St. Avon Kake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit Mot Applicable 22.10 Tns Soil Treatment Type IV

Storage Area: Area I

Environmenta & Rapid Resp		nc. Docu	Document # 27437 Job/Project/#				
14 Brick Kiln Northampton Phone 484-27 Fax 484-275-6	, PA 18067 75-6900	Job/P					
THIS SECTION TO	O BE COMPLETED BY GEN	NERATOR:		Aq.			
COMPANY NAME	/ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT		
		in Address:	R	apid Response,	inc.		
33587 While Avon Lake,		70 N. Main Street Vharton, NJ 07885	24 HOUR EMERGENCY F	PHONE #			
QUANTITY	SIZE/TYPE	DESCRIP	TION	APPROVAL	WEIGHT/VOLUME		
XX1		Non-Hazardous Soil, DOT		103150018	Est. 22 Tons		
		,			, regard		
			÷				
					3.00		
A The County of		Clean Earth PO #	01-103802-01				
	#		n vineran in the second se				
classified, described,	t the above named waste(s) a packaged, marked, and labeled transportation according to the T and the EPA.	d and are in e applicable PRINT NAME	SIGNATURES LUCIONALIS MINISTRATORIO MINISTRATORI		DATE		
THIS SECTION TO	D BE COMPLETED BY HAU	LER / TRANSPORTER:					
COMPANY NAME		ADDRESS	•		PHONE NO.		
Rainbow Tr	ucking	the contract of the contract o	phens Park Road stown, NJ 07840		(973) 598 8845		
PL 863	U STATE	BOX NUMBER-IN R 80 S	BOX NUMBER-OUT		COMMENTS		
were accepted for tr	the above described waste(s) ansportation at the producer's e waste facility. Both as listed	PRINT DRIVER'S NAME	J-WZAKZ		Y-1/10		
THIS SECTION TO	BE COMPLETED BY RECE	EIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
	Earth of Southeast Pennsylvania		7 Steel Road East orrisville, PA 19067		PHONE NO. 215-428-1700		
COMMENTS							
	ne above described wastes were	AUTHORIZED SIGNATURE			DATE		
delivered to this Facili	ity, that the Facility is authorized ive such wastes.	PRINT NAME		· - ·	4.1.10		

Ticket: 315000031749 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 14:19:10 Ins 4/1/2010 Scale 1 Morrisville, PA 19067 Outs 4/1/2010 14:19:30 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Ins 72540 Manifest: 27439 Grossa 36.27 Vehicle ID: GRE208 Tare: 27440 13.72 Act 90 Decal: WH12291 Met: 45100 22.55 Customer: EWMI Facility Approval#s/103150018 Generator: L.E. Carpenter & Company Tob Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Wharton, NJ 07885 Avon Lake, OH 44012 Quantity Unit Materials & Services Origin Mally ... Dinte Daniel Langue Later

AP. 55 The

Cod I Treatment Type TU



All Correspondence and Invoices to: **Environmental Waste Minimization. Inc.** 27439 Document # & Rapid Response, Inc. 14 Brick Kiln Court 103802 Northampton, PA 18067 Job/Project # Phone 484-275-6900 Fax 484-275-6970 THIS SECTION TO BE COMPLETED BY GENERATOR: COMPANY NAME/ADDRESS IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. L.E. Carpenter & Company Site Address: 33587 Welter Road 170 N. Main Street 24 HOUR EMERGENCY PHONE # Avon Lake, OH, 44012 Wheton NJ 07885 877-460-1038 APPROVAL CODE QUANTITY SIZE/TYPE DESCRIPTION WEIGHT/VOLUME Est. 22 Tons Non-Hazardous Soil, DOT/RCRA Non-Regulated 103150018 XX1 DT Clean Earth PO # 01-103602-01 MERATOR'S SIGNATURE Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable PRINT NAME regulations of the DOT and the EPA. THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER: COMPANY NAME **ADDRESS** PHONE NO. 167 Stephens Park Road) 598 8845 973 Rainbow Trucking Hacketistown, NJ 07840 BOX NUMBER-IN BOX NUMBER-OUT VEHICLE I.D. NO. STATE COMMENTS **DRIVER'S SIGNATURE** DATE I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed PRINT DRIVER'S NAME hereupon THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR) **FACILITY NAME ADDRESS** PHONE NO. Clean Earth of Southeast 7 Steel Road East 215-428-1700 Pennsylvania Morrisville, PA 19067 COMMENTS **AUTHORIZED SIGNATURE** DATE I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized PRINT NAME

and permitted to receive such wastes.

Ticket: 315000031750 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/1/2010 14:29:51 Ins Scale 1 Morrisville, PA 1906Z Out: 4/1/2010 14:30:29 P. T. Ph: (215) 428-1700 Fax: (215) 428-1704 Tns Lbs 35.07 Manifest: 27438 Gross: 70140 Vehicle ID: RAI862 Tare: 27580 13.79 Act 90 Deca1: WH7892 Met: 42560 21.28 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit Not Applicable Soil Treatment Type IV 21,28 Ins

Storage Area: Area 1 Comment:

·			ř			
		, Inc.		38		
Northampton, I Phone 484-275 Fax 484-275-69	-6900	i "	Job/Project #			
THIS SECTION TO	BE COMPLETED BY GI	ENERATOR:				_
COMPANY NAME/A	DDRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT	_
LE. Carpent 33587 Webs	er & Company	Site Address: 170 N. Main Street		apid Response,	Inc.	
Avon Lake, (Wharton, NJ 07885	24 HOUR EMERGENCY F	PHONE # 877-460-103 8	· •	
QUANTITY	SIZE/TYPE	DESCRIPTI	ION	APPROVAL CODE	WEIGHT/VOLUME	_
XX1	DT	Non-Hazardous Soil, DOT/	RCRA Non-Regulated	103150018	Est. 22 Tons	
						
76.		Clean Earth PO#	01-103802-01			28.
egy the stand free explanation of the standard explanation	,			: *	The section of the se	神の養養
classified, described, p	the above named waste(s) ackaged, marked, and labe ansportation according to and the EPA.	are properly define and are in the applicable PRINT NAME	IGNATURE - Notice of L.E. Company			
THIS SECTION TO I	BE COMPLETED BY HA	AULER / TRANSPORTER:			· · · · · · · · · · · · · · · · · · ·	
COMPANY NAME		ADDRESS			PHONE NO.	
Rainbow Tru	cking		hens Park Road town, NJ 07840		(973) 598 8845	
VEHICLE I.D. NO. 94 2511	STATE M	BOX NUMBER-IN # 862	BOX NUMBER-OUT		COMMENTS	
were accepted for tran	ne above described waste(s asportation at the producer waste facility. Both as liste	s	Minm Zulas	fu .	H-1-10	
THIS SECTION TO E	BE COMPLETED BY RE	CEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATO	R)
	arth of Southeast ensylvania		Steel Road East prisville, PA 19067		PHONE NO. 215-428-1700	
COMMENTS	TO WAS PARK	i o	T SE SECULO SE SECU	, , , , , , , , , , , , , , , , , , ,	Specification and the Control of the	
	above described wastes we that the Facility is authorize	1 1	7		DATE STATE	
and permitted to receive	•	PRINT NAME			1 / 1/16	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27441 Vehicle ID: TEV135 Act 90 Decak: WH1548 Customer: EWMI

Generator: L.E./Carpenter &/Company Gen Address: 33587 Walker Rd./ Ayon Lake, OH 44012

Origin / Materials & Services

Ticket: 315000031751

Date Time Scale
In: 4/1/2010 14:31:59 Scale 1
Out: 4/1/2010 14:32:29 P.T.

Lbs Tns Gross: 70080 35.04 Tare: 26840 13.42 Net: 43240 21.62

Fability Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup
Job Address: 170 N. Main St.

Wharton, NJ 07885

Quantity Unit

				L. 15.5 6	C. A. Carrier			The second secon		
All Correspon Environment & Rapid Res 14 Brick Kilr	tal Waste N ponse, Inc	/linimization		Documer	nt #	274	41			
Northampton Phone 484-2 Fax 484-275-	n, PA 1806 [.] 75-6900	7		Job/Project #			103802			
HIS SECTION 1	ГО ВЕ СОМІ	PLETED BY G	BENERATOR:	-						
OMPANY NAMI	E/ADDRESS	3			IN CASE OF E	MERGENC'	Y OR SPILL CONT	ACT		
LE. Carpe 33587 Wa		mpany	Site Address: 170 N. Main Stree				pid Response,	inc.		
Avon Lake		M2	Whatton, NJ 078	-	24 HOUR EMI	ERGENCY P	HONE # 877-460-1038			
QUANTITY	SIZE/	TYPE		DESCRIPTION	N		APPROVAL CODE	WEIGHT/VOLUME		
XX1		DT	Non-Hazardous S	Sod, DOT/R	CRA Non-Re	gulated	103150018	Est. 22 Tons	t _e	
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	all y		Clean Ea	arth PO#01	-103802-01				4	
** .	g-									
Hereby certify the assified, described oper condition for gulations of the D	d, packaged, r r transportatio	marked, and lab on according to	eled and are in the applicable	T NAME	NATURE WILL RIEW	0		DATE 4/9/10		
HIS SECTION T	O BE COMP	PLETED BY H	IAULER / TRANSPORT	ER:						
OMPANY NAME	=		А	DDRESS				PHONE NO.	ti e e	
Rainbow T	rucking				ens Park Roa en, NJ 0784			(973) 598 8845		
EHICLE I.D. NO).	STATE	BOX NUMBER-IN		BOX NUMB	ER-OUT		COMMENTS		
135		NJ					•			
Hereby certify thatered for			• •	- Lander	A Carried		griddigs.	DATE		
te for delivery to tereupon.	•	•			Tando	Lor	e4 C0	4/1/10		
HIS SECTION T	О ВЕ СОМР	LETED BY RE	ECEIVER AT DISPOSAL	_ FACILITY: (O	NCE SIGNED,	A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENER	ATOR)	
ACILITY NAME	. F	73 15	A	DDRESS				PHONE NO.		
	Pennsylva	Southeast ania	 		Steel Road E isville, PA 19			215-428-1700		
lereby certify that				IGNATURE		P		DATE		
elivered to this Fac and permitted to rec	-	-	PRINT NAME		1 /			4.40		

and permitted to receive such wastes.

Ticket: 315000031753 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East Ina 4/1/2010 14:42:02 Scale 1 Morrisville, PA 19067 Out: 4/1/2010 14:42:21 P. T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tns Manifest: 27440 72420 36, 21 Gross: Vehicle ID: HAP46 25500 12.75 Tare: Act 90 Decal: WH1548 46920 23,46 Not: Customer: EWMI Facility Approval#: 103150018 Job Name: Dayco Corp/L.E. Carpenter Sup Generators L.E. Carpenter & Company Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit Not Applicable Soil Treatment Type IV 23,46 Tns

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970		Doc	/Project #	103902	· · · · · · · · · · · · · · · · · · ·
THIS SECTION TO	BE COMPLETED BY GE	NERATOR:			
COMPANY NAME/A	ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT
		Site Address:	R	apid Response,	Inc.
33587 Walke Avon Lake, (170 N. Main Street Wharton, NJ 07885	24 HOUR EMERGENCY F	PHONE #	
				877-460-1038	
QUANTITY	SIZE/TYPE	DESCRI	PTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hezardous Soil, DO	T/RCRA Non-Regulated	103150018	Est. 22 Tons
			8		
	a .				<i>)</i>
Quite set		Clean Earth PO	# 01-103802-01		3400
			in the state of th	1	
classified, described, p	the above named waste(s) ackaged, marked, and labele ansportation according to the and the EPA.	ed and are in the applicable PRINT NAME	S SIGNATURE COMPANY		DATE 4
THIS SECTION TO	BE COMPLETED BY HAL	JLER / TRANSPORTER:			
COMPANY NAME		ADDRESS			PHONE NO.
Reinbow Tru	cking		ephens Park Road tstown, NJ 07840		(973) 598 8845
VEHICLE I.D. NO. Am -1480	STATE N	BOX NUMBER-IN	BOX NUMBER-OUT	T1	COMMENTS APPPY-Time
were accepted for tran	ne above described waste(s) asportation at the producer's waste facility. Both as listed	JUAN SLOAM			DATE - 10
THIS SECTION TO I	BE COMPLETED BY REC	EIVER AT DISPOSAL FACILIT	Y: (ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR)
	arth of Southeast ennsylvania	ADDRESS	7 Steel Road East Morrisville, PA 19067		PHONE NO. 215-428-1700
COMMENTS					
	above described wastes were	1	RE	,	DATE
and permitted to receive	, that the Facility is authorized e such wastes.	PRINT NAME			4.1.10

Ticket: 315000031754 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/1/2010 Ins 14:46:52 Scale 1 Morrisville, PA 19067 Outs 4/1/2010 14:47:11 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Tns L,bs Manifest: 27442 73120 36.56 Gross: Vehicle ID: NICIDA 24700 12.35 Tare: Act 90 Decal: WH7892 Nets 48420 24,21 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. 170 M. Main St. Job Address: Avon Lake, OH 44012 Wharton, NJ 07885 Materials & Services Origin Quantity Unit Not Applicable Soil Treatment Type IV 24.21 Tns

tage of the

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Document # 27442 Job/Project #					
	D BE COMPLETED BY GE	NERATOR:						
COMPANY NAME				N CASE OF EMERGENCY		, Inc.		
33587 Well	ver Road	Sile Address: 170 N. Main Street Wharton, NJ 07885	2	24 HOUR EMERGENCY P	pid Response, HONE # 877-460-1038			
QUANTITY	SIZE/TYPE	DES	SCRIPTION		APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT	Non-Hazardous Soil,	, DOT/RC	RA Non-Regulated	103150018	Est. 22 Tons		
					 			
					 			
				·				
}								
		Clean Earth	. 20 × 04	402002 M4				
3/8 · 1 / 1		CRANI CAUI	rowu-	103002-01	<u> </u>			
					e .	46.4		
classified, described,	t the above named waste(s) packaged, marked, and labele transportation according to the T and the EPA.	ed and are in ne applicable PRINT NA	AME	ATURE LERALLE TOTALE Compositor & Company		DATE 4/1/10		
THIS SECTION TO	BE COMPLETED BY HA	ULER / TRANSPORTER:		·				
COMPANY NAME	j.	ADDR	RESS			PHONE NO.		
Rainbow Tr	ucking			s Park Road n, NJ 07840		(973) 598 8845		
VEHICLE I.D. NO.	9. STATE	BOX NUMBER-IN	X	BOX NUMBER-OUT)	COMMENTS		
were accepted for tra	the above described waste(s) ansportation at the producer's e waste facility. Both as listed	· ·	1	Merron de f	visi .	D4.01~10		
THIS SECTION TO	BE COMPLETED BY REC	CEIVER AT DISPOSAL FAC	CILITY: (ON	CE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
FACILITY NAME	Carlly of Cardboont	ADDR		and Daniel Stand		PHONE NO.		
	Earth of Southeast Pennsylvania			eel Road East ville, PA 19067	· · · · · · · · · · · · · · · · · · ·	215-428-1700		
COMMENTS						Ţ.		
	ty, that the Facility is authorized	į.	ATURE *	4.5		DATE 4.1.10		
and pominion to rece	TO SUCTI WESTES.					<u> </u>		

Ticket: 315000031755 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/1/2010 15:22:11 Ins Scale 1 Morrisville, PA 19067 Outs 4/1/2010 15:22:30 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tris Manifest: 27443 33.61 Grossa 67220 Vehicle ID: TEV45 12.80 Tare: 25590 Act 90 Decal: WH1548 Nets 41630 20.82 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Mame: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Materials & Selvices Origin Quantity Unit Not Annlicable Regil Treastment Ture IU CA AG 77 555.22

All Correspondence and Invoices to: **Environmental Waste Minimization, Inc.**

Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Document # 27443 Job/Project # 103802					
THIS SECTION TO BE	COMPLETED BY GEN	NERATOR:						
COMPANY NAME/ADD L.E. Carpenter & 33587 Walker R Avon Lake, OH.	& Company S toad 1	Site Address: 70 N. Mein Street Aharton, NJ 07885		IN CASE OF EMERGENCY Re 24 HOUR EMERGENCY P	pid Response,			
					877-460-1038	· · · · · · · · · · · · · · · · · · ·		
QUANTITY	SIZE/TYPE	DESC	CRIPTION	1	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT I	Non-Hazardous Soil, I	DOTAR	CRA Non-Regulated	103150018	Est. 22 Tons		
As a second seco			- K:-					
	Tr.				· · · · · · · · · · · · · · · · · · ·			
30		Clean Earth F	PO#01	-103802-01				
			- The state of the					
Hereby certify that the classified, described, packed proper condition for transprégulations of the DOT and	aged, marked, and labeled portation according to the	d and are in e applicable PRINT NAM	t lau	NATURE L. RIEWY		DATE		
THIS SECTION TO BE	COMPLETED BY HAU	JLER / TRANSPORTER:						
COMPANY NAME Reinbow Truckir	ng - TEV #		Stephe	ns Park Road m, NJ 07840		PHONE NO. (973) 598 8845		
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN		BOX NUMBER-OUT	-	COMMENTS		
Hereby certify that the alwere accepted for transposite for delivery to the wast	rtation at the producer's	PRINT DRIVER'S NAM	ME	Legudoc)	DATE 4/1-10		
THIS SECTION TO BE (COMPLETED BY REC	EIVER AT DISPOSAĹ FACI	ILITÝ: (OI	NCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
	h of Southeast isylvania	ADDRE	7 S	teel Road East sville, PA 19067		PHONE NO. 215-428-1700		
Hereby certify that the above delivered to this Facility, that and permitted to receive such	t the Facility is authorized		ATURE	1		DATE 4/1/0		
				· · · · · · · · · · · · · · · · · · ·		Leave to the second sec		

Ticket: 315000031756 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/1/2010 15:27:37 Scale 1 Ina Morrisville, PA 19067 4/1/2010 15:27:56 Outs P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs This Manifest: 27445 72820 36,41 Grossa Vehicle ID: RAI885 25680 12.84 Tares Act 90 Decal: WH1544 Met: 23.57 47140 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit Not Applicable Soil Treatment Type IV 23.57 Tns

Storage Area: Area 1

Environmental Waste Min & Rapid Response, Inc.	14 Brick Kiln Court		Document #274		274	45		
Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Job/Project #			103802		
THIS SECTION TO BE COMPLE	TED BY GENE	RATOR:	•					
COMPANY NAME/ADDRESS LE. Carpenter & Comp		e Address:		IN CASE OF EME		CY OR SPILL CONTACT Repid Response, Inc. PHONE # 877-460-1038		
33587 Walker Road Avon Lake, OH. 44012) N. Main Street tarton, NJ 078		24 HOUR EMERG	SENCY P			
QUANTITY SIZE/TY	PE		DESCRIPTION			APPROVAL CODE	WEIGHT/VOLUME	
XX1 DT	N	m-Hazardous	Soa, DOT/RO	:RA Non-Regul	lated	103150018	Est. 22 Tons	
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		Çlean E	arth PO#01	103802-01				
		,						
Hereby certify that the above narelassified, described, packaged, markeroper condition for transportation a egulations of the DOT and the EPA.	med waste(s) are	e properly and are in applicable	ERATOR'S SIGN COLH CU T NAME	ATURE LATURE) kapanny		DATE 4 (ID	
THIS SECTION TO BE COMPLE	TED BY HAUL	ER / TRANSPORT	ER:					
COMPANY NAME		A	ADDRESS				PHONE NO.	
Rainbow Trucking				ns Park Road n, NJ 07840			(973) 598 8845	
TO A MEDITAL	STATE B	OX NUMBER-IN		BOX NUMBER-	OUT		COMMENTS	
Hereby certify that the above descrivere accepted for transportation at ite for delivery to the waste facility. Pereupon.	the producer's	PRINT DRIVER	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	L a			DATE 04-01-(0	
THIS SECTION TO BE COMPLE	TED BY RECEI	VER AT DISPOSA	L FACILITY: (OI	NCE SIGNED, A CO	OPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)	
ACILITY NAME Clean Earth of So Pennsylvani COMMENTS		Α		ieel Roed East sville, PA 1906			PHONE NO. 215-428-1700	
				A.	Л			
Hereby certify that the above describ- elivered to this Facility, that the Facili and permitted to receive such wastes.	ty is authorized	AUTHORIZED S	SIGNATURE	1			DATE 4.1.10	

	사는 사람들이 되었다.	200	•				•
27. T			Ticket:	31500000317	57		
7 Steel Road	of Southeast Pennsylvan: Fact	Lat. , "‡•	*	Date	Time	Scale	
Morrisville,			Ins	4/1/2010	15:56:04	Scale 1	
Ph: (215) 426		-1704	Out:	4/1/2010	15:56:28	P.T.	
				Lbs	Tns		
Manifest:			Grossi	70560	35.28		
Vehicle ID:			Tares	26920	13.46		
Act 90 Decal: Customer:			Net:	43640	21.82		
		Facility	Approval#:	103150018			
Generators	L.E. Carpenter & Compa			Dayco Corp	/L.E. Carp	enter Su	(p)
	33587 Walker Rd.()		b Address:	170 N. Mai	n St.	-	•
	Avon Lake, OH 44012			Wharton, N	J 07885	; ;	
Origin	Materials & Se	rvices		Quantity	Unit	r I	
Not Applicable	Soil Treatment	Type IV	***************************************	21.82	Ĩns		4
						#** E	
Storage Area:	Area 1	1. J.F.			÷,		
Comment:				Programme and the second			

All Correspondence and Invoices to:

& Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970	Job/Project #		103802		
THIS SECTION TO BE COMPLETED	BY GENERATOR:				
COMPANY NAME/ADDRESS L.E. Carpenter & Company	Site Address:		IN CASE OF EMERGENC	y or spill cont pid Response,	
33587 Walker Road Avon Lake, OH. 44012	170 N. Main Str Wharton, NJ O		24 HOUR EMERGENCY P	HONE #	1
QUANTITY SIZE/TYPE		DESCRIPTIC	DN	APPROVAL CODE	WEIGHT/VOLUME
XX1 DT	Non-Hezardou	s Soil, DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons
		······································			
		· 			
	Çlean	Earth PO#0	1-103802-01		46.
		1		*.	DATE
I Hereby certify that the above named classified, described, packaged, marked, a proper condition for transportation according regulations of the DOT and the EPA.	and labeled and are in ling to the applicable	MERATOR'S SIG	ENATURE LURIELLA THE COMPANY THE COMPANY		DATE 4/1/10
THIS SECTION TO BE COMPLETED					
COMPANY NAME		ADDRESS	···-		PHONE NO.
Rainbow Trucking			ens Park Road wn, NJ 07840		(973) 596 8845
VEHICLE I.D. NO. STAT	BOX NUMBER-IN	N	BOX NUMBER-OUT		COMMENTS
I Hereby certify that the above described were accepted for transportation at the pasite for delivery to the waste facility. Both hereupon.	GNATURE ER'S NAME	aul Ponzal	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	4-1-10	
THIS SECTION TO BE COMPLETED	BY RECEIVER AT DISPOS	SAL FACILITY: (0	DNCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
FACILITY NAME Clean Earth of Southe Pennsylvania	est		Steel Road East risville, PA 19067		215-428-1700
COMMENTS		bacara i	1		and a fine manufact. If the fig.
I Hereby certify that the above described wa	stes were) SIGNATURE			DATE 4.1.10
and permitted to receive such wastes.	PRINT NAME		****		

Ticket: 315000031758 Clean Earth of Southeast Pennsylvania Date Times Scale 7 Steel Road East 4/1/2010 15:57:23 Ing Scale 1 Morrisville, PA 19067 Oute 4/1/2010 15:59:27 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tns Manifest: 27446 81740 40.87 Gross: Vehicle ID: RAI02 27080 13.54 Tares Act 90 Decal: WH1544 54660 27.33 Net: Customers EWMI Pacility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. (1 Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit 27.33 Ths Not Applicable Soil Treatment Type IV

Storage Great Area 1

						<u> </u>	
All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc.			Docume	nt# <u>274</u>	46		
14 Brick Kiln (Northampton, Phone 484-27		Job/Project #					
Fax 484-275-6		18 ⁽²⁾					
HIS SECTION TO	BE COMPLETED BY	GENERATOR:			1		
OMPÁNY NAME/	ADDRESS			IN CASE OF EMERGENC			
L.E. Carpen 33587 Walk	ter & Company	Site Address: 170 N. Main Stree		R	apid Response,	inc.	
Avon Lake,		Wharton, NJ 078		24 HOUR EMERGENCY F	PHONE #		
	<u> </u>				877-460-1038		
QUANTITY	SIZE/TYPE		DESCRIPTIO	N	APPROVAL CODE	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous	Soil, DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons	
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			<u>. </u>		:		
		Clean E	arth PO#0	1-103802-01			
	# 1	. P	يستخانون والمراجع				
Hereby certify that	the above named waste	(s) are properly	ERATOR'S SIG			DATE	
	packaged, marked, and la transportation according to		COST COU TNAME	Mitereury		4/1/18	
egulations of the DO				half of L.E. Cooperator & Company			
HIS SECTION TO	BE COMPLETED BY I	HAULER / TRANSPORT	TER:				
COMPANY NAME		Α	ADDRESS	,		PHONE NO.	
				ens Perk Road		973) 598 8845	
Reinbow Tru EHICLE I.D. NO.	STATE	BOX NUMBER-IN	Hackettstown, NJ 07840 IN BOX NUMBER-OUT			COMMENTS	
96658	B 02						
· · · · · · · · · · · · · · · · · · ·	the above described wast	e(s) DRIVER'S SIGN	NATURE 7	To-bal Class	·	DATE	
•	ansportation at the produce waste facility. Both as lis		'S NAME	hohad Good	reas	04/01/10	
ereupon.		THINI DITIVELL	J NAIVIE	hound 6Pc	rros		
HIS SECTION TO	BE COMPLETED BY F	ECEIVER AT DISPOSA	L FACILITY: (C	ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR)	
ACILITY NAME		A	ADDRESS			PHONE NO.	
	Earth of Southeast 'ennsylvania			Steel Road East risville, PA 19057		215-428-1700	
COMMENTS		/		11/4			
)			
Hereby certify that the	e above described wastes v	AUTHORIZED S	SIGNATURE			DATE	
elivered to this Facilit	ty, that the Facility is authorive such wastes.	PRINT NAME	· · · · · · · · · · · · · · · · · · ·	160		4.1.10	
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		and the state of t				
Clean Earth of Southeast Pe 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (Ticket: In: Out:		59 Time 16:24:43 16:25:04	Scale Scale P.T.	1.
Manifest: 27447 Vehicle ID: RAI102 Act 90 Decal: WH1544 Customer: EWMI		Gross: Tare: Net:	Lbs 77740 26760 50980	Tns 38.87 13.38 25.49		
Generator: L.E. Carpente Gen Address: 33587 Walker Avon Lake, OH	Rd. Job	Job Name:	103150018 Dayco Corp 170 N. Mai Wharton, N	n St.	enter S	up
Origin Materi	ials & Services	. (),4 a1- ma 1-a 31 0 414 ac 414 314	Quantity	Unit	***************************************	
Not Applicable Soil	Treatment Type IV		25.49	Tns		

Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court		Docu	ment #274	147		
Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Project #	103802		
	BE COMPLETED BY GE	ENERATOR:	*			
COMPANY NAME/	ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT	
L.E. Carpeni	ter & Company	Site Address:	R	apid Response,	inc.	
33587 Walle Avon Lake, (er Road	170 N. Main Street Wharton, NJ 07885	24 HOUR EMERGENCY F	PHONE #		
			<u>.</u>	877- 46 0-1038		
QUANTITY	SIZE/TYPE	DESCRIP	TION	APPROVAL CODE	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous Soil, DOT	T/RCRA Non-Regulated	103150018	Est. 22 Tons	
	<u> </u>			1		
		- Code				
			· · · · · · · · · · · · · · · · · · ·		- 3	
		Clean Earth PO #	101-103802-01		Constitution of the Consti	
We do not						
classified, described, j	the above named waste(s) packaged, marked, and label ransportation according to the and the EPA.	ed and are in he applicable PRINT NAME	SIGNATURE (COULL PLEASE CONTROL PROPERTY & Company		DATE	
THIS SECTION TO	BE COMPLETED BY HA	ULER / TRANSPORTER:				
COMPANY NAME		ADDRESS			PHONE NO.	
Rainbow Tru	eckira	n control and the control	phens Park Road stown, NJ 07840		(973) 598 8845	
VEHICLE I.D. NO.	S STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS	
were accepted for tra	he above described waste(s nsportation at the producer! waste facility. Both as lister	s			DATE	
hereupon.		-	INGE! FRAN			
	BE COMPLETED BY REC	CEIVER AT DISPOSAL FACILITY	: (ONCE SIGNED, A COPY MU	ST BE FORWARDE		
	ennsylvania		7 Steel Road East Iorrisville, PA 19067		PHONE NO. 215-428-1700	
COMMENTS						
	e above described wastes wer y, that the Facility is authorize	od			DATE 4.1.10	
and permitted to receiv	ve such wastes.	PRINT NAME	The second secon			

Ticket: 315000031760 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East Ins 4/1/2010 16:26:52 Scale 1 Morrisville, PA 19067 Out: 4/1/2010 16:27:11 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tns Manifests 27448 76340 38.17 Gross: Vehicle ID: NICAO 13.42 Tare: 26840 Act 90 Decal: WH7892 49500 24.75 Net: Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit Not Applicable Soil Treatment Type IV 24.75 Ths Storage Area: Area 1 Comment:

Drivers

Facilitys

Sirayo Joseph M

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Docume Job/Pro	<i>\. I</i> i =	103802		
HIS SECTION	O BE COMPLETED BY GE	NERATOR:				•	
COMPANY NAM	onter & Company	Site Address:		- A	NCY OR SPILL CONTACT Rapid Response, Inc.		
33587 We Avon Lake		170 N. Meán Stre Wharton, NJ 07		24 HOUR EMERGENCY F	HONE #	······································	
QUANTITY	SIZE/TYPE	<u></u>	DESCRIPTION	DN	APPROVAL CODE	WEIGHT/VOLUME	
, XX1	DT	Non-Hazardous	Soil, DOTA	ICRA Non-Regulated	103150018	Est. 22 Tons	
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1	3.7 75 8						
		Clean E	earth PO#0	1-103802-01		į	
		· And Andrews		14			7
assified, described	at the above named waste(s) d, packaged, marked, and labele r transportation according to the	are properly ded and are in the applicable	T NAME	NATURE SLEVILLE Half of L.E. Companior & Scripping		DATE 4/10	
	O BE COMPLETED BY HAU	JLER / TRANSPOR	TER:			-	
OMPANY NAMI	Ē	•	ADDRESS			PHONE NO.	
Rainbow T	rucking			ens Park Road van, NJ 07840		(973) 598 8845	
EHICLE I.D. NO	9A NJ	BOX NUMBER-IN		BOX NUMBER=OUT		COMMENTS	`
ere accepted for	It the above described waste(s) transportation at the producer's he waste facility. Both as listed			ENYUL'S H	Breu	4/01/10	
HIS SECTION T	O BE COMPLETED BY REC	EIVER AT DISPOSA	AL FACILITY: (0	ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERAT	OR)
ACILITY NAME Clean Earth of Southeast Pennsylvania				Steel Road East risville, PA 19067		PHONE NO. 215-428-1700	
OMMENTS				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	:		
	the above described wastes were ility, that the Facility is authorized eive such wastes.		SIGNATURE	1		DATE 4,1,10	
		1	,	,		1	

		10 40°				4.00
Clean Earth o 7 Steel Road Morrisville, Ph: (215) 428	PA 19067		Ticket: In: Out:	3150000317 Date 4/1/2010 4/1/2010	61 Time 16:31:21 16:32:05	Scale Scale 1 P.T.
Manifest: Vehicle ID: Act 90 Decal: Customer:	TEV10 - WH1548		Gross: Tare: Net:	Lbs 77180 23560 53620	Tns 38.59 11.78 26.81	
Generator:			b Name:	103150018 Dayco Corp 170 N. Mai Wharton, N	n St.	enter Sup
Origin	Materials & Service	\$		Quantity	Unit	*7
Not Applicable	Soil Treatment Type	ΙV		26.81	Tns	44 (164 214 <u>294 91</u> 4 915 914 447 447 147

Storage Area: Area

Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Document #				
			Job/Proj	ect #	103802	103802	
THIS SECTION TO	D BE COMPLETED BY GE	ENERATOR:					
COMPANY NAME/	ADDRESS			IN CASE OF EMERGENC	Y OR SPILL CONT	ACT	
		Site Address:		Ra	ipid Response,	inc.	
33587 Walk Avon Lake,		170 N. Main Street Wharton, NJ 0788		24 HOUR EMERGENCY P	PHONE #		
ŕ					877-460-1038	3	
QUANTITY	SIZE/TYPE		DESCRIPTIO	DN	APPROVAL CODE	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous S	ioil, DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons	
					1	:	
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		Clean Ea	nth PQ#0	1-103802-01			
		Take of the second					
classified, described,	the above named waste(s) packaged, marked, and labe transportation according to the T and the EPA.	led and are in the applicable	NAME	wherever	, N.,	DATE	
) BE COMPLETED BY HA	· . · . · . · . · . · . · . · . ·		half of L.E. Caspanter & Company			
COMPANY NAME			DRESS			PHONE NO.	
Rainbow Tr	e entriero			ens Park Road wn, NJ 07840		(973) 598 8845	
VEHICLE T.D. NO.	STATE	BOX NUMBER-IN	S SCHOOLS NO	BOX NUMBER-OUT	Š.	COMMENTS	
were accepted for tra	the above described waste(sansportation at the producer e waste facility. Both as liste	's	odnijo Paved	(a.)	DATE 4-1-10		
hereupon.	•						
	BE COMPLETED BY RE			ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)	
	Earth of Southeast Pennsylvania	AL	,	Steel Road East risville, PA 19067		PHONE NO. 215-428-1700	
COMMENTS					· · · · · · · · · · · · · · · · · · ·		
I Haraby cortify that the	an about described waster	AUTHORIZED SIG	GNATURE			DATE	
	te above described wastes were ty, that the Facility is authorize ive such wastes.				en de la companya de	4.1.10	
				Name of the last o			

			i f			
Clean Earth o 7 Steel Road Morrisville, Ph: (215) 428	PA 19067		Ticket: In: Out:	3150000317 Date 4/1/2010 4/1/2010	62 Time 16:35:50 16:36:55	Scale Scale 1 P.T.
Manifest: Vehicle ID: Act 90 Decal: Customer:	RAI882 WH1544		Gross: Tare: Net:	Lbs 78480 26280 52200	Tns 39.24 13.14 26.10	
	L.E. Carpenter & Company 33587 Walker Rd. Avon Lake, OH 44012	•	Approval#: Job Name: bb Address:	Dayco Corp	n St.	enter Sup
Origin	Materials & Service	? \$		Quantity	Unit	
Not Applicable	Soil Treatment Type	a IV	·	26.10	Tns	*** ***

Storage Area: Area 1

Environment & Rapid Resp 14 Brick Kiln Northampton Phone 484-275-6	Court n, PA 18067 75-6900 6970	Job/Pro	*/: *:: /	103802	
	O BE COMPLETED BY GE	NERATOR:	IN CASE OF EMEDICAL	V OD ODUL CONT	
33587 Wall	nter & Company Sker Road 1	Site Address: 170 N. Main Street Wharton, N.J. 07885	IN CASE OF EMERGENC' Rai 24 HOUR EMERGENCY F	pid Response, l	
QUANTITY	SIZE/TYPE	DESCRIPTION	ON	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DOT/	RCRA Non-Regulated	103150018	Est. 22 Tons
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		en de la composición	, a		
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	X :				
	9 3	Clean Earth PO#0	01-103802-01		and the second of the second o
नहरू		1440	J #		
classified, described	at the above named waste(s), , packaged, marked, and labele transportation according to th DT and the EPA.	ed and are in PRINT NAME	GNATURE CHURUMIN CHURUMIN		DATE (1) //D
THIS SECTION TO	O BE COMPLETED BY HAL	JLER / TRANSPORTER:			
COMPANY NAME		ADDRESS			PHONE NO.
Rainbow Tr	ucking		xens Park Road own, NJ 07840		(973) 598 8845
VEMICLE I.D. NO.	STATE AL	BOX NUMBER IN	BOX NUMBER-OUT		COMMENTS
were accepted for t	t the above described waste(s) ransportation at the producer's ne waste facility. Both as listed	e of fau aux	Clem-		DATE HILLO
THIS SECTION TO	D BE COMPLETED BY REC	EIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	
	Earth of Southeast Pennsylvania		Steel Road East misville, PA 19067		PHONE NO. 215-428-1700
COMMENTS	THE RESERVE OF THE SECOND	5593.A	2000 0 2000 0 2 0 0 0 0 0 0 0 0 0 0 0 0		and it was property of a facility
	he above described wastes were	j			DATE 4.1.10
and permitted to rece	•	PRINT NAME			7.7.10

RpPrfGTN.rpt

rofile: 103150018

Report Grand Totals

4 tickets

ite ID: 315

Clean Earth of Southeast Pennsylvania

Profile GTN
Transactions from 04/16/2010 through 04/16/2010

Inbound Tickets Only

Third Party and Intercompany Customers

Sent and Unsent Tickets

Full Details

Page 1 of 1 4/16/2010 3:47PM User ID: JSIRAVO

370.23

Ticket	Date	Truck	In / Out	Manifest	Customer		Gross	Tare	Net
03150018 - Day	co Corp/L.E	. Carpenter Sup	erfund Site	-		Global Job Number: 113760	,		
315000032776	04/16/10	GRE210	I	27510	EWM426-EWMI		38.03	13.90	24.13
315000032780	04/16/10	RAI91	I	27511	EWM426-EWMI		35.56	13.04	22.52
315000032783	04/16/10	GRE205	I	27514	EWM426-EWMI		40.66	13.76	26.90
315000032784	04/16/10	GRE209	I	27515	EWM426-EWMI		40.54	13.72	26.82
315000032786	04/16/10	RAI71	I	27516	EWM426-EWMI		40.44	12.99	27.45
315000032791	04/16/10	GRE208	I	27518	EWM426-EWMI		39.17	13.72	25.45
315000032820	04/16/10	GRE203	I	27519	EWM426-EWMI		35.52	13.46	22.06
315000032846	04/16/10	RAI881	I	27520	EWM426-EWMI		39.33	13.10	26.23
315000032848	04/16/10	RAI880	I	27521	EWM426-EWMI		40.22	13.07	27.15
315000032851	04/16/10	GRE210	\mathbf{I}	27522	EWM426-EWMI		42.17	13.90	28.27
315000032860	04/16/10	GRE205	I	27523	EWM426-EWMI		41.90	13.76	28.14
315000032862	04/16/10	RAI71	I	27525	EWM426-EWMI		41.77	12.99	28.78
315000032863	04/16/10	GRE209	I	27524	EWM426-EWMI		41.08	13.72	27.36
315000032876	04/16/10	NIC870	I	27526	EWM426-EWMI		42.18	13.21	28.97
.03150018 - Day 4 tickets	co Corp/L.E	. Carpenter Sup	erfund Sit	-					370.23

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27526 Vehicle ID: NIC870 Act 90 Decal: WH7892 Eustomer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000032876

Date Time Scale
In: 4/16/2010 15:16:36 Scale 1
Out: 4/16/2010 15:16:59 P.T.

Lbs Tns Gross: 84360 42.18 Tare: 26420 13.21 Net: 57940 28.97

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

28.97 Tns

Storage Area: Area 1 Comment:

Driver:

Facility:

Siravo, Joseph M

	14,	in,			*.	<u>`</u>
All Correspond Environmenta & Rapid Resp 14 Brick Kiln Northampton Phone 484-27 Fax 484-275-6	al Waste Mini conse, Inc. Court i, PA 18067 75-6900		Docu	project #	103902	
THIS SECTION TO	O BE COMPLE	TED BY GENE	RATOR:		- N _{OR} -	
COMPANY NAME	/ADDRESS			IN CASE OF EMERGENC	Y OR SPILL CONT	ACT
33587 Weak	nter & Compa ser Road OH. 44012	170	e Address: N. Main Street serton, NJ 07885	24 HOUR EMERGENCY F	pid Response, PHONE # 877-460-1038	
QUANTITY	SIZE/TYP	PE P	DESCRIP	TION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Ne	m-Hazardous Soil, DOT	TRCRA Non-Regulated	103150018	Est. 22 Tons
	<u> </u>			<u> </u>		
	Tak J		Clean Earth PO#	01-103602-01		
			1	······································	रिक्ष विश्व राज्य कर स्थानिक के अने राज्य विश्व है। अनुसरिक्ष के अनुसरिक्ष के अनुसरि अनुसरिक्ष के अनुसरिक्ष के अनुसरि	
I Hereby certify that classified, described, proper condition for regulations of the DC	, packaged, marke transportation ac DT and the EPA.	ed, and labeled coording to the	and are in applicable PRINT NAME	SIGNATURE CILLULA Abordunt at ILE Companion & Company		DATE 4/16/10
COMPANY NAME			ADDRESS			PHONE NO.
Rainbow Tr	·		167 Step	mens Park Road town, NJ 07840		973) 598 8645
VEHICLE I.D. NO.		STATE E	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
AM 194	E	75	870			· <i>u</i>
I Hereby certify that were accepted for tr site for delivery to th	ransportation at t	he producer's	DRIVER'S SIGNATURE PRINT DRIVER'S NAME	ر باله دون	ju .	DATE
hereupon.	,			Carlos Oviedo		04-16-10
THIS SECTION TO	D BE COMPLET	ED BY RECEI	VER AT DISPOSAL FACILITY:	: (ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR
	Earth of Soul		-	7 Steel Road East omisville, PA 19067		PHONE NO. 215-428-1700
COMMENTS				See the second s		
I Hereby certify that the delivered to this Facil			AUTHORIZED SIGNATURE			DATE
and permitted to rece		,	PRINT NAME	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4.16.10

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067

Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27524 Vehicle ID: GRE209 Act 90 Decal: WH12291

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Origin

Materials & Services

Not Applicable

Soil Treatment Type IV

Storage Area: Area 1 Comment:

Ticket: 315000032863

Date Time Scale Ing 4/16/2010 14:04:47 Scale 1 Out: 4/16/2010 14:05:06 P.T.

Lbs Tns 41.08 82160 Grosss 13.72 27440 Tare: 54720 27.36 **Met**:

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

27.36 Ins

Facility:

Sirayo, Joseph M

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	Court , PA 18067 75-6900	on, Inc.	ument # 275	103802	
THIS SECTION TO	O BE COMPLETED BY	Y GENERATOR:		- Ng	
COMPANY NAME	/ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT
	ter & Company	Site Address:	Re	guid Response,	irec.
33587 Walk Avon Lake,		170 N. Main Street Whenton, NJ 07865	24 HOUR EMERGENCY I	PHONE #	
QUANTITY	SIZE/TYPE	DESCRI	PTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DO	T/RCRA Non-Requisited	103150018	Est. 22 Tons
	<u> </u>				
1 1			· · · · · · · · · · · · · · · · · · ·		
		Clean Earth PO	# 01-103902-01		
				The state of the s	No.
classified, described,	t the above named was packaged, marked, and transportation according or and the EPA.	labeled and are in to the applicable PRIN NAME	S SIGNATURE CILLURE CONTROL COMPANY CONTROL COMPANY		DATE CITE 10
THIS SECTION TO	O BE COMPLETED BY	/ HAULER / TRANSPORTER:			
COMPANY NAME		ADDRESS			PHONE NO.
Rainbow Tra	uckéng		phens Park Road Islown, NJ 07040		973) 598 9845
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
AM 63	7 D.	209/			4
were accepted for tr	the above described wa ransportation at the produce waste facility. Both as	ucer's	an Zapata) (1	04/16 11C
THIS SECTION TO	BE COMPLETED BY	RECEIVER AT DISPOSAL FACILITY	Y: (ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR)
<u> </u>	Earth of Southeast 'ennsylvania		7 Steel Road East Aurisville, PA 19067		PHONE NO. 215-428-1700
COMMENTS			·.		
	ne above described wastes	The same of the sa	RE		DATE
delivered to this Facili and permitted to rece	ity, that the Facility is authories ench wastes.	PRINT NAME			14/10/10

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067
Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27525 Vehicle ID: RAI71 Act 90 Decal: WH1544

Customer: EWMI

Génerator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000032862

Date Time Scale
In: 4/16/2010 13:59:46 Scale 1
Out: 4/16/2010 14:00:07 P.T.

Lbs Tns Gross: 83540 41.77 Tare: 25980 12.99 Net: 57560 28.78

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

28.78 Ths

Storage Area: Area Comments

Driver:

Facility:

Sirava Joseph M

				<u> </u>	· v
	Court PA 18067 5-6900	, Inc. // Docum Job/Pro		103802	
THIS SECTION TO	BE COMPLETED BY G	ENERATOR:			
COMPANY NAME/	ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONTA	ACT
		Site Address:	R	pid Response, l	roc.
33587 Walke Avon Lake, C	and the second s	170 N. Main Street Wheaton, NJ 07885	24 HOUR EMERGENCY I	PHONE # 877-460-1038	
QUANTITY	SIZE/TYPE	DESCRIPTION	ON	APPROVAL CODE	WEIGHT/VOLUME
XX1	ra	Non-Hazardous Soil, DOTA	CRA Non-Reculated	103150018	Est. 22 Toris
	4.				
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					3.
w _a - 1					
					
ve ¹		Clean Earth PO#0	71-103802471		
1.		at Professional		and the second particle of the PMA	
lassified, described,	the above named waste(s packaged, marked, and labe ransportation according to and the EPA.	eled and are in the applicable PRINT NAME	GNATURE, White Carpetar & Corregory		DATE 4 / 16 / 10
THIS SECTION TO	BE COMPLETED BY HA	AULER / TRANSPORTER:			
COMPANY NAME		ADDRESS			PHONE NO.
Rainbow Tru	rkirus		ens Park Road mara, NJ 07840		973) 598 8845
/EHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	- 	COMMENTS
Am352	$H \mid N \times \mid$	71			
Hereby certify that t	he above described waste(nsportation at the produce waste facility. Both as liste	r's Can Ker			DATE 1/6/10
THIS SECTION TO	BE COMPLETED BY RE	CEIVER AT DISPOSAL FACILITY: ((ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR)
FACILITY NAME	weather and I'm an Albania and	ADDRESS			PHONE NO.
Pe	arth of Southeast annsylvania		Steel Road East risville, PA 19067		215-428-1700
COMMENTS					<i>t</i> i-
	e above described wastes we y, that the Facility is authoriz	red /	and the state of t	4	DATE
nd permitted to receiv	ve such wastes.	PRINT NAME			114/10

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067

Fax: (215) 428-1704 Ph: (215) 428-1700

Manifest: 27523 Vehicle ID: GRE205 Act 90 Decal: WH7892

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000032860

Date Time Scale In: 4/16/2010 13:51:34 Scale 1 Out: 4/16/2010 13:51:49 P.T.

Lbs Tns 41.90 83800

Gross: 27520 13,76 Tare: Nets 28.14 56280

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

28.14 Ths

Storage Area: Area 1 Comment:

Driver:

Facilitys

Siyayo, Joseph M

<u> </u>		•	and the second		<u> </u>
	Court PA 18067 i-6900	c. Docum Job/Pro	ent # 275	103802	
HIS SECTION TO	BE COMPLETED BY GENI	ERATOR:			1.0
COMPANY NAME/A	ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT
L.E. Carperili 33587 Walke Avon Lake, C	r Road 171	o Address: O N. Main Street harton, NJ 07885	24 HOUR EMERGENCY F	pid Response, i PHONE #	inc.
PROPERTY BUILDINGS TO	en a. Terese en	and the second of a selection of the second		877-460-1038	
QUANTITY	SIZE/TYPE	DESCRIPTIO	NC NC	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT N	on-Hazantous Soil, DOT/R	ICRA Non-Regulated	103150018	Est. 22 Tons
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		Clean Earth PO # 0	1-103802-01		Salar Sa
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lassified, described, p	the above named waste(s) are backaged, marked, and labeled ransportation according to the and the EPA.	and are in Cott (, applicable PRINT NAME	GNATUHE Conflict Corporates & Corporates		DATE 4/16/10
HIS SECTION TO	BE COMPLETED BY HAUL	ER / TRANSPORTER:			
OMPANY NAME		ADDRESS		:	PHONE NO.
Rainbow Trus	ckáma	. 11	ens Park Road wn, NJ 07840		973) 596 8845
'EHICLE I.D. NO.	STATE I	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
HM133	70 A	205	00		
	he above described waste(s)	DRIVER'S SIGNATURE	cia Neliha		DATE
•	waste facility. Both as listed	PRINT DRIVER'S NAME	ledina		4-16-10
HIS SECTION TO	BE COMPLETED BY RECE	IVER AT DISPOSAL PACILITY: (ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR
ACILITY NAME		ADDRESS			PHONE NO.
	arth of Southeast emsylvania		Steel Road East risville, PA 19057		215-428-1700
COMMENTS	TO SEE STATE SERVE	unitadi.	A TO THE PARTY OF		CHARLES TO THE SECOND
		AUTHORIZED SIGNATURE			DATE
elivered to this Facility	e above described wastes were y, that the Facility is authorized	DDINT NAME		*/ _.	4 16 10
nd permitted to receive	ve such wastes.	PRINT NAME	of Carrier.		1 / しゃしょしし

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27522 Vehicle ID: GRE210 Act 90 Decal: WH12291

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

Soil Treatment Type IV

Storage Area: Not Applicable Comments

Not Applicable

Origin

Ticket: 315000032851 Scale Date Time Ing 4/16/2010 13:28:38 Scale 1 4/16/2010 13:28:54 Outs P.T.

Lbs Tns 42,17 84340 Grossa 13.90 27800 Tare: 56540 28.27 Net:

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Wharton, NJ 07885 Quantity Unit

28.27 Ths

Facilitys

Joseph M

All Correspondence and Invoices to: 27522 **Environmental Waste Minimization, Inc.** Document # & Rapid Response, Inc. 14 Brick Kiln Court 103902 Northampton, PA 18067 Job/Project # Phone 484-275-6900 Fax 484-275-6970 THIS SECTION TO BE COMPLETED BY GENERATOR: COMPANY NAME/ADDRESS IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc. LE Carpenter & Company Site Address: 33587 Walker Road 170 N. Main Street 24 HOUR EMERGENCY PHONE # Avon Lake, OH. 44012 Whatton, NJ 07885 877-460-1038 APPROVAL QUANTITY SIZE/TYPE DESCRIPTION WEIGHT/VOLUME CODE XX1 DT Non-Hazardous Soll, DOTARCRA Non-Regulated 103150018 Est. 22 Tons Clean Earth FO # 01-103302-01 ÆGEMERATÓR'S SIGNATURE 🗦 DATE I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable PRINT NAME regulations of the DOT and the EPA South Parallelies and an install of L.E. Chapter THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER: **ADDRESS** PHONE NO. COMPANY NAME 167 Stephans Park Road 500 8045 973 Rainbow Trucking Hackettstown, NJ 07840 VEHICLE I.D. NO. BOX NUMBER-IN STATE **BOX NUMBER-OUT** COMMENTS 210 AN6381 WH12291 **DRIVER'S SIGNATURE** DATE I Hereby certify that the above described waste(s) were accepted for transportation at the producer's 4/16/10 site for delivery to the waste facility. Both as listed PRINT DRIVER'S NAME Latence hereupon. THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR) **FACILITY NAME ADDRESS** PHONE NO. Clean Earth of Southeast 7 Steel Road East 215-428-1700 Pennsylvania Morrisville, PA 19067 COMMENTS AUTHORIZED SIGNATURE DATE I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized

PRINT NAME

and permitted to receive such wastes.

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27521 Vehicle ID: RAI880 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000032848

Date Time Scale Ins. 4/16/2010 13:11:53 Scale 1 Out: 4/16/2010 13:12:11 P.T.

Lbs Tns 40.22 Grossa 80440 26149 13.07 Tares 54300 27,15 Net:

Facility Approval#: 103150018

Job Mame: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Origin Materials & Services Quantity Unit

Not Applicable

Soil Treatment Type IV

27.15 Tns

Storage Area: Not Applicable Comment:

Facility:

Siravo, Joseph M

	<u></u>	et als what				
	Court , PA 18067 '5-6900		. I	103902		
THIS SECTION TO	D BE COMPLETED BY (GENERATOR:			7	
COMPANY NAME	/ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	TACT	
L.E. Carpen 33587 Walk	fer & Company	Site Address: 170 N. Main Street	Ré	Rapid Response, Inc.		
Avon Lake,		Whaton, NJ 07805	24 HOUR EMERGENCY I	PHONE # 877-460-1038	%	
QUANTITY	SIZE/TYPE	DESCRIPTIO	I DN	APPROVAL CODE	WEIGHT/VOLUME	
XX1	DT	Non-Hezardous Soil, DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons	
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	AW THE	Clean Earth PO#0	1-103802-01			
		Jordan Control of Cont		The second of th		
classified, described, proper condition for egulations of the DO	, <u>4</u>	beled and are in the applicable PBINT NAME	SNATURE (DATE 4/16/10	
COMPANY NAME		ADDRESS			PHONE NO.	
Photostore War			ens Park Road		973) 598 8845	
Rainbow fin /EHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	···	COMMENTS	
AL7781	NINI	P80	_		and a section of the	
	the above described wasteransportation at the produce	e(s) DRIVER'S SIGNATURE er's	Warde)		DATE	
ite for delivery to the nereupon.	e waste facility. Both as lis		EXANDER ?	, IERRA	4-16-10	
THIS SECTION TO	BE COMPLETED BY R	ECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MU	ST BE FORWARDE	ED TO EWMI AND GENERATOR	
ACILITY NAME		ADDRESS	Notes to the contract of		PHONE NO.	
	Earth of Southeast <u>'emsylvania</u>		Steel Road East isvillo, PA 19067		215-428-1700	
en e						
	ne above described wastes w			×	DATE	
lelivered to this Facili and permitted to rece	ity, that the Facility is authori iive such wastes.	PRINT NAME	•		77-16-10	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27520 Vehicle ID: RAI881 Act 90 Decal: WH1544 Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Origin

Materials & Services

Not Applicable

Soil Treatment Type IV

Storage Areas Area Comments

rivers

Facility

Joseph M

Ticket: 315000032846

	Date	Time	Scale	
Ina	4/16/2010	13:04:47	Scale	1
Outs	4/16/2010	13:05:06	P. T.	

Marie Land Land Committee

	Lbs	Tns
Gross:	78660	39.33
Tares	26200	13.10
Net:	52460	26.23

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 M. Main St.

Wharton, NJ 07885

Quantity Unit

26.23 Ths

					:	
Environmenta & Rapid Resp			nent# 275	20		
14 Brick Kiln Northampton Phone 484-27 Fax 484-275-6	, PA 18067 75-6900	*Job/Pro	oject #	103802		
HIS SECTION TO	O BE COMPLETED BY	GENERATOR:			· · · · · · · · · · · · · · · · · · ·	
OMPANY NAME	/ADDRESS		IN CASE OF EMERGENC	CY OR SPILL CONT	ACT	
	nter & Company	Site Address:	R	apid Response, I	nc.	
33567 Walk Avon Lake,		170 N. Main Street Whaton, NJ 07885	24 HOUR EMERGENCY	PHONE #		
•				877-460-1038		
QUANTITY	SIZE/TYPE	DESCRIPTI	ION	APPROVAL CODE	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous Soil, DOT/I	RCRA Mon-Regulated	103150018	Est 22 Toris	
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				.94	Marine to the second of the se	
	, the set			16 144 16 16 16 16 16 16 16 16 16 16 16 16 16 1		「勢 」か 関す
\		Clean Earth PO# (31_103802.01			
*****			St. Bir of Market Springer Spr	in The property of the Control of th		1
<u> </u>		re(s) are properly GENERATOR'S S	IGNATURE		DATE	1,20
assified, described,	t the above named waste, packaged, marked, and la	abeled and are in	where		u/u/u	
roper condition for egulations of the DO	transportation according DT and the EPA.	(a) Title (LANGAIC	network of the Company		11910	
HIS SECTION TO	O BE COMPLETED BY	HAULER / TRANSPORTER:	and animals, one , mistants, shades & hours are hely , share, animals to the factor and the		<u>, </u>	-
OMPANY NAME		ADDRESS			PHONE NO.	
		167 Stept	ens Park Road		entre entre entre	
Rainbow Tr	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		973) 598 8845 COMMENTS	
EHICLE I.D. NO.		PA/	BOX NOWBER-OUT		COMMENTS	
Hereby certify that	the above described was	L DOUGEDIO CIONATURE A		· ·	DATE	
ere accepted for tr	ransportation at the produce waste facility. Both as I	ucer's		*	DU-16-10	`
ereupon.	le waste lacility. Both as i	listed PRINT DRIVER'S NAME	24/20		04 10 10	,
HIS SECTION TO	BE COMPLETED BY	RECEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATO	R)
ACILITY NAME		VADDRESS	Allen of Market and Allendary		PHONE NO.	_
	Earth of Southeast 'errisylvania		Steel Road East misville, PA 19067		215-428-1700	
OMMENTS						
		·	A		<u> </u>	_
	ne above described wastes			*·;	DATE // ///	
elivered to this Facili and permitted to rece	ity, that the Facility is autho eive such wastes.	PRINT NAME			7/010	

Ticket: 315000032820 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/16/2010 11:41:41 Scale 1 Ina Morrisville, PA 19067 4/16/2010 11:42:07 P.T. Outs Fax: (215) 428-1704 Ph: (215) 428-1700 Lbs Tns Manifest: 27519 71040 35.52 Gross: Vehicle ID: GRE203 26920 13,46 Tares Act 90 Decal: WH12291 44120 22.06 Meta Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Origin Materials & Services Quantity Unit Not Applicable Soil Treatment Type IV 22.06 Ths

1911 (An). 						
	n Court n, PA 18067 275-6900	o.:		19		_
					<u> </u>	-
,	TO BE COMPLETED BY	GENERATOR:	IN CASE OF EMPROPHIS	V OD ODUL OOM		_
OMPANY NAM			IN CASE OF EMERGENC	oid Response , i		
33587 Wal	inter & Company Ker Road	Site Address: 170 N. Main Street	24 HOUR EMERGENCY F	*	M3 TRON.	_
Avon Lake	OH. 44012	Weston, NJ 07885	24 NOON EIVIENGENOT F	877-460-1038		
QUANTITY	SIZE/TYPE	DESCRIPTION	ON	APPROVAL CODE	WEIGHT/VOLUME	
XX1	or	Non-Hazardous Soil, DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons	_
2000			·			-
<u> </u>			.			-
						-
		*				
		Clean Earth PO#0	1-103802-01			7
				न शिंत पुर्वता दुवित हुवित्वस्त्राच्या		9
assified, describe	nat the above named wast d, packaged, marked, and la or transportation according OT and the EPA.	abeled and are in to the applicable PRINT NAME	GNATURE NOW Southoff & Company		DATE 1/16/16	_
		HAULER / TRANSPORTER:		······································		_
OMPANY NAMI	E	ADDRESS			PHONE NO.	
Rainbow T	nucking		ens Park Road wn, NJ 07840		973) 598 8845	
EHICLE I.D. NO). STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS	
41120	DA NJ	203				
	at the above described was transportation at the produ	` ' 1	- de la companya della companya della companya de la companya della companya dell		DATE	
•	the waste facility. Both as I		and Properties	o <u>n ()</u>	4-16-10	
IIS SECTION T	O BE COMPLETED BY	RECEIVER AT DISPOSAL FACILITY: (ONCE SIĞNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR	۲)
CILITY NAME		ADDRESS	Marine Company	·	PHONE NO.	-
	Earth of Southeast Paresylvaria		Steel Road East risville PA 15067		215-428-1700	
OMMENTS			A.			
					2	_
	the above described wastes	!			DATE	
livered to this Fac	cility, that the Facility is autho	PRINT NAME			4/6//	ر

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 - Fax: (215) 428-1704

Manifest: 27518 Vehicle ID: GRE208 Act 90 Decal: WH12291 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

Not Applicable

Soil Treatment Type IV

Storage Area: Area 1 Comments

Drivers

Origin

Facility:

Sira√o, Joseph M

Ticket: 315000032791 Date Time Scale 4/16/2010 10:10:47 Scale 1

Out: 4/16/2010 10:11:12 P.T.

Tns 39.17 78340 Grossa 27440 13,72 Tares

25.45 Nets 50900

Facility Approval#: 103150018

Job Mame: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Wharton, NJ 07885 Quantity Unit

25.45 Tns

All Correspondence and Invoices to: Environmental Waste Minimization, In & Rapid Response, Inc.			ent # 275	18	
14 Brick Kili Northampto Phone 484-2 Fax 484-275	n, PA 18067 275-6900	, Job/Pro	ject #	103802	
THIS SECTION	TO BE COMPLETED BY (GENERATOR:			
COMPANY NAM	E/ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT
	mer & Company	Site Address:	Re	pid Response,	inc.
33587 Wa Avon Lake	iker Road c, OH. 44012	170 N. Main Street Wharton, NJ 07885	24 HOUR EMERGENCY PHONE #		
QUANTITY	SIZE/TYPE	DESCRIPTION		APPROVAL CODE	WEIGHT/VOLUME
XX1	or th pt	Non-Hazardous Soil, DOT/R	ICRA Non-Regulated	103150018	Est. 22 Tons
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		700	at a Chimeropean con at		
A. A.		Clean Earth PO#0	I-IWXXIZ-UI	24 Granginal a Balana	
lassified, describe	nat the above named waste d, packaged, marked, and labor transportation according to OOT and the EPA.	peled and are in the applicable PRIM NAME	GNATURE LINE COMPANY OF LE COMPANY		U/16/10
THIS SECTION	TO BE COMPLETED BY F	HAULER / TRANSPORTER:			
COMPANY NAM	E	ADDRESS			PHONE NO.
Rainbow T	rucking .		ens Park Road wm, NJ 07840		973) 598 884 5
PEHICLE I.D. NO	O. STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
	at the above described waste transportation at the produc		5	22-	DATE
	the waste facility. Both as lis		Land of	mm.	1/10/10
THIS SECTION T	O BE COMPLETED BY R	ECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR)
ACILITY NAME		ADDRESS			PHONE NO.
	Earth of Southeast Pennsylvania		Steel Road East		215-428-1700
COMMENTS			A		a
	the above described wastes w			<u> </u>	DATE
	ceive such wastes.	PRINT NAME	Maria Come		9/1/10
	y n:	The state of the s		N. 664.	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27516 Vehicle ID: RAI71 Act 90 Decal: WH1544 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000032786

Date Time Scale
Int 4/16/2010 09:56:06 Scale 1
Out: 4/16/2010 09:56:26 P.T.

Lbs Tns Gross: 80880 40.44 Tare: 25980 12.99 Net: 54900 27.45

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Origin Materials & Services Quantity Unit

Not Applicable

Soil Treatment Type IV

27.45 Ths

Storage Area: Area Comment:

Drivers

Facilitys

Sirayo, Joseph M

9: 30				·	<u> </u>	
	Court , PA 18067 5-6900			103802	eg far t German	
HIS SECTION TO	D BE COMPLETED BY	GENERATOR:	- Comment of the Comm			_
OMPANY NAME	/ADDRESS		IN CASE OF EMERGENCY	OR SPILL CONTA	ACT	_
	witer & Company	Site Address:	Rapid Response, Inc.			
33587 Wa Avon Lake	ker Road OH. 44012	170 N. Mein Street Wharton, NJ 07885	24 HOUR EMERGENCY PI	HONE #		
a consist a distribution	the state of the s	to the same orders the second order of the same		877-460-1036) 4	
QUANTITY	SIZE/TYPE	DESCRIPTI	ION	APPROVAL CODE	WEIGHT/VOLUME	_
XX1	DT	Non-Hazardous Soit, DOT	TRCRA Nion-Requisited	103150018	Est. 22 Tons	_
						_
	4.					_
		*	·			
y services						
					8	i i
		Clean Earth PO #	01-103802-01			. 73.
						14.
assified, described, oper condition for gulations of the DO		abeled and are in to the applicable RRINT NAME	IGNATURE RICE RI		4/16/10	
	BE COMPLETED BY	HAULER / TRANSPORTER:			T	_
OMPANY NAME		ADDRESS			PHONE NO.	
Reindow T	ruckina		phens Park Road stown, NJ 07840		(973) 598 8845	
EHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS	_
9m 352 H	NJ			<u> </u>	an spagge days, be the second of	
	the above described was				DATE	
te for delivery to the	e waste facility. Both as li	PRINT DRIVER'S NAME			4/16/10	
ereupon.		DAN KERR	(01)05 0101/50 4 005/41/10	T.D		
ACILITY NAME	BE COMPLETED BY F	RECEIVER AT DISPOSAL FACILITY: ADDRESS	(ONCE SIGNED, A COPY MUS	I BE FORWARDE	PHONE NO.	H)
	Earth of Southeas Pennsylvania	3	7 Steel Road East Iomisville, PA 19067		PHONE NO.	•
OMMENTS	a over the second state space.		MANUAL STATE OF THE STATE OF TH		a summary H 2 and	
	e above described wastes	1 8 hs/5			DATE	
elivered to this Facili ad permitted to recei	ty, that the Facility is autho ive such wastes.	PRINT NAME			4/14/h	
		1 1 mm/ 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/	r A		1	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27515 Vehicle ID: GRE209 Act 90 Decal: WH12291 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Facility Approval#: 103150018

Gross:

Tares

Met:

Job Name: Dayco Corp/L.E. Carpenter Sup

4/16/2010 09:47:42

Job Address: 170 N. Main St.

Ticket: 315000032784

Date

Lbs

81080

27440

53640

Out: 4/16/2010 09:47:58

Time

Tns

40.54

13.72

26.82

Scale

P.T.

Scale 1

Wharton, NJ 07885

Materials & Services

Quantity Unit

Not Applicable

Origin

Soil Treatment Type IV

26.82 Ins

Storage Area: Area 1 Comment:

Drainer.

Facility:

Siravo Joseph M

	The street of th		and the state of t			
	Court	n, Inc.		103802		
Phone 484-27 Fax 484-275-6		Job/Pro	oject#		*	
	O BE COMPLETED BY (SENERATOR:				_
OMPANY NAME		SEIVE WHOTE	IN CASE OF EMERGENCY	OR SPILL CONTA	ACT	-
	enter & Company	Sže Addresa		pid Response,		
33587 Wa	Ner Road	170 N. Main Street	24 HOUR EMERGENCY PI	HONE #		_
AVON LAKE	OH. 44012	Whaton, NJ 07885	The Hart Eq.	977-460-103	3	
QUANTITY	SIZE/TYPE	DESCRIPTI	ION	APPROVAL	WEIGHT/VOLUME	-
XX1	DT	Non-Hazerdous Soil, DOT		103150018	Est. 22 Torrs	-
		and Language Court of the Court	HERTOSPE GAME LA SECTIONALISM	CONTRACTOR	Line & Lines	
:				, x		
		AR .			Net Control of the Co	-
		·	The Armer was			
					Å.	
		Clean Earth PO #	01-103802-01			
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<u> </u>		OPPORTORIO O	IONIATURE /	<u> </u>	DATE	
	t the above named waste(, packaged, marked, and lab	(s) are properly GENERATOR'S'S peled and are in	Sw lybewy		DATE	
oper condition for gulations of the DC	transportation according to	the applicable PRINT NAME			9/16/10	
	·	HAULER / TRANSPORTER:	n industratil E. Consusator & Correspond			-
OMPANY NAME		ADDRESS	·		PHONE NO.	-
O			milinoumum Choundis Khountaili			
Rainbow 1	rucking		phens Park Road sown, NJ 07840		(973) 598 8645	
EHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	_	COMMENTS	
AM 65	12	209		1	was a salah da sa	
	the above described waste	· · · · · · · · · · · · · · · · · · ·	Man 70	route	DATE	
•	ransportation at the produc ne waste facility. Both as lis		7	/ 	04/11/12)
ereupon.		(17/2-1	aut to		11/16/10	_
	DIBE COMPLETED BY R	ECEIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	T BE FORWARDE		₹)
ACILITY NAME	n Earth of Southeast	ADDRESS	7 Steel Road East		PHONE NO.	
	Permsylvania		karrisville. PA 19067		215-426-1700	_
OMMENTS						
			\mathcal{A}		ja ja	_
	ne above described wastes w			ly.	DATE	
elivered to this Faciled to rece	ity, that the Facility is authori eive such wastes.	PRINT NAME			4.16.10	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27514 Vehicle ID: GRE205 Act 90 Decal: WH7892

Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

Not Applicable

able Soil Treatment Type IV

Storage Area: Area 1 Comment:

Driver:

Origin

Facility

Ticket:/315000032783

Date Time Scale
In: 4/16/2010 09:45:11 Scale 1
Out: 4/16/2010 09:45:39 P.T.

Lbs Tns Gross: 81320 40.66 Tare: 27520 13.76 Net: 53800 26.90

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St.

Wharton, NJ 07885

Quantity Unit

26.90 Tns

siravo.

Siravo, Joseph M

All Correspondence and Invoices to:

Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court		inc.	Docum	ent # 275	14	4.
Northampton Phone 484-27 Fax 484-275-6	, PA 18067 '5-6900		Job/Pro	oject #	103802	
THIS SECTION TO	D BE COMPLETED BY GE	NERATOR:				
COMPANY NAME	/ADDRESS		· · · · · · · · · · · · · · · · · · ·	IN CASE OF EMERGENC	Y OR SPILL CONTA	ACT
	witer & Company	Site Address	•		apid Response,	, Inc.
33587 Wa Avon Lake	iker Road , OH. 44012	170 N. Main Stre Wherton, NJ 07		24 HOUR EMERGENCY P	HONE # 877-450-103	3
QUANTITY	SIZE/TYPE		DESCRIPTI	ON .	APPROVAL CODE	WEIGHT/VOLUME
XXX1	DT	Non-Hazardous	Soil, DOT	IRCRA Mon-Regulated	103150018	Est. 22 Tons
		1 1 H	#% ·			
		-/ Clean E	Earth PO#	01-103902-01		
			سد.	polynom,	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	\$
classified, described,	t the above named waste(s) packaged, marked, and labele transportation according to the T and the EPA.	ed and are in	T NAME	GNATURE CLU LIPCY About all of the Considering Considering		DATE 4/16/10
THIS SECTION TO	BE COMPLETED BY HAU	JLER / TRANSPORT	ER:			
COMPANY NAME		Α	DDRESS			PHONE NO.
Rainbow T	Tara embeliamen			thems Perk Road town, NJ 07840		(973) 598 884 5
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	* SUBLEMENT	BOX NUMBER-OUT		COMMENTS
AMIDS	2A NT	205				an saidhealach an thomas de la
were accepted for tr	the above described waste(s) ansportation at the producer's e waste facility. Both as listed		(10	rgi Nedia	Ara	4-16-10
THIS SECTION TO	BE COMPLETED BY REC	EIVER AT DISPOSAL	L FACILITY: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
FACILITY NAME	Earth of Southeast	A	DDRESS	7 Steel Road East		RHONE NO.
COMMENTS	Perusylvania	·.		omsville, PA 19067	<u> </u>	215-428-1700
William States				**		
	e above described wastes were		SIGNATURE *		16	DATE // // 2.10
and permitted to rece	•	PRINT NAME		100		4.1610

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27511 Vehicle ID: KAI91 Act 90 Decal: WH1544

Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Materials & Services

Mot Applicable Soil Treatment Type IV

Storage Area: Area 1 Comment:

Driver:

Origin

Ticket# 315000032780

Lbs Tns Gross: 71120 35.56 Tare: 26080 13.04 Net: 45040 22.52

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Quantity Unit

22.52 Ths

Facilitys

Siravo Joseph M

			- t			
	Court PA 18067 5-6900	n, Inc.	ment # 275 Project #	103802		
THIS SECTION TO	BE COMPLETED BY	GENERATOR:		• .		
COMPANY NAME/A	ADDRESS		IN CASE OF EMERGENC			
L.E. Carpent 33587 Walke	ter & Company	Site Address: 170 N. Main Street	Ri	apid Response,	inc.	
Avon Lake, (Wharton, NJ 07885	24 HOUR EMERGENCY F			
				877-460-1038		
QUANTITY	SIZE/TYPE	DESCRIP	PTION	APPROVAL CODE	WEIGHT/VOLUME	
XX1	OT	Non-Hazardous Soil, DO	T/RCRA Non-Regulated	103150018	Est. 22 Tons	
Company Company		<u> </u>				_
		. As		<u> </u>		
Section of the sectio				* .	*	
	x x				*	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Clean Earth PO	F 01-103802-01			
			- man		¥ 7	W 45
classified, described, proper condition for the egulations of the DOT	·	abeled and are in to the applicable RBINT NAME	SIGNATURE CIWLIRUM TO THE COMPANY & COMPANY		DATE ////////////////////////////////////	
COMPANY NAME		ADDRESS			PHONE NO.	
		167 Ste	phens Park Road			
Rainbow Tru		Hackett	stown, NJ 07840		(973) 598 8845	
PEHICLE I.D. NO.	H NJ	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS	
	he above described was	A model . I .	A		DATE	Ç.,
•	nsportation at the production waste facility. Both as li	sted PRINT DRIVER'S NAME	Haycei		4-16-10	
THIS SECTION TO	BE COMPLETED BY F	RECEIVER AT DISPOSAL FACILITY		ST BE FORWARDE	ED TO EWMI AND GENERATO	R)
ACILITY NAME		ADDRESS			PHONE NO.	
P	ennsylvania		7 Steel Road East forrisville, PA 19057		215-428-1700	
COMMENTS	a,					
	e above described wastes y, that the Facility is autho re such wastes.	l l		%.	DATE 4.1610	

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27510 Vehicle ID: GRE210 Act 90 Decal: WH12291

Customer: EWMI

Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket:/315000032776

Date 🕙 Time Scale In: 4/16/2010 09:13:47 Scale 1 4/16/2010 09:14:10 P.T.

Lbs Tns 76060 38.03 Gross: 13.90 27800 Tares 24.13 48260 Neta

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Origin

Materials & Services

Quantity Unit

Not Applicable

Soil Treatment Type IV

24.13 Ths

Storage Area: Area 1 Comments

Driver:

Facility:

Stravo, Joseph M

			보일하다. 그러지 그 경기에 가능하다?				<u> </u>	
All Correspon Environment & Rapid Res 14 Brick Kiln Northamptoi	tal Waste M ponse, Inc. Court	inimization	, Inc.	Document #	. 2/15	103802		
Phone 484-2 Fax 484-275-	75-6900			Job/Project #	¥			
HIS SECTION T		I FTFD BY G	ENERATOR:					
OMPANY NAMI				i IN	CASE OF EMERGENC	Y OR SPILL CONT	ACT	<u>.</u>
LE Carpe		npany	Site Address:		R	apid Response,	Inc.	
33587 Wa Avon Lake		12	170 N. Main Street Wharton, NJ 07885	24	HOUR EMERGENCY	PHONE #	· ·	
			·			877-460-1038	. 	
QUANTITY	SIZE/1	ГҮРЕ	DES	CRIPTION		APPROVAL CODE	WEIGHT/VOLUME	=
XX1	0	T	Non-Hazardous Soil,	DOT/RCR	A Non-Regulated	103150018	Est. 22 Tons	
								. zgga ander
								
	**************************************							• • • • • • • • • • • • • • • • • • •
The state of the s							S.	
Marie Land			·					*
			Clean Earth	PO#01-10	3802-01			1 5
4 (2)				e t				71
Hereby certify the assified, described roper condition for egulations of the D	d, packaged, m r transportation	arked, and labe according to	eled and are in the applicable PBINT NA	ME	1 k		DATE 4/16/10	
HIS SECTION T	O BE COMP	LETED BY H	AULER / TRANSPORTER:			· 		
OMPANY NAME	3		ADDR	ESS			PHONE NO.	
Rainbow T	rucking			* Stephens ckeitslown,			(973) 598 8845	Nove :
EHICLE I.D. NO HM 6380 WH	12291	STATE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS	
Hereby certify tha				RE /	Lenfun		DATÉ	re William
ere accepted for te for delivery to the termination to the termination of the termination	-	•		AME E	disson Va	lencia	4/16/10	<u>ر</u>
HIS SECTION T	O BE COMPL	ETED BY RE	CEIVER AT DISPOSAL FAC	CILITY: (ONCE	E SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENER	ATOR)
ACILITY NAME Clean	Earth of S Pennsylva		ADDR	7 Stee	el Road East lile, PA 19067		PHONE NO. 215-428-1700)
OMMENTS	A CHAINTAINE			nowask k out V k	mental B 1. E. S. Miller Co. S.	·	man if the "Title that if it is had	
Hereby certify that	the above desc	ribed wastes we	AUTHORIZED SIGNA	ATURE		*	DATE	
elivered to this Fac nd permitted to rec		•	PRINT NAME		X		4.16.10	0

Carmen Paralle	C. Comer John on a major Plantana and Array and a	Ticket:	3150000317	'92		
7 Steel Road I	f Southeast Pennsylvania		Date	Time	Scale	
Morrisville,		Ins	4/2/2010	09:52:51	Scale	1.
Ph: (215) 428		Outs	4/2/2010	09:53:26	P.T.	
			Lbs	Tns		
Manifest:		Gross:	74520	37.26		
Vehicle ID:	RAI871	Tares	26740	13.37		
Act 90 Decal:	WH1544	Net:	47780	23.89		
Customer:	EWIL					
	Facility	Approval#:	103150018			
	L.E. Carpenter & Company	Job Mame:	Dayco Corp	/L.E. Carp	enter S	3up
Gen Address:	33587 Walker Rd. J	ob Address:	170 N. Mai	n St.		
	Avon Lake, OH 44012		Wharton, N	J 07885		
Origin	Materials & Services		Quantity	Unit		
Not Applicable	Soil Treatment Type IV	lite perce es 24 (194) (174 (174 (174 at 164 (164) 174) (174) (174)	23, 89	Tns	·	*177 \$1.00

Storage Area: Area 1 Comment:

Driver:

Facility:

Siravo, Joseph M

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Docume Job/Proj	a Z	103802	
THIS SECTION T	O BE COMPLETED BY	GENERATOR:				4 \
L.E. Carpe 33587 Wat	nter & Company	Site Address: 170 N. Main Stre		IN CASE OF EMERGENC	Y OR SPILL CONT.	
	, OH. 44012	Wharton, NJ 078	·- I	24 HOUR EMERGENCY P	PHONE # 877-460-1038	
QUANTITY	SIZE/TYPE		DESCRIPTIO	N	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous	Soit, DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons
	a managara			i		
						
X1.				· · · · · · · · · · · · · · · · · · ·	a ve	
***				<u>. </u>	Supplied to the supplied to th	The second secon
	an Ma	Çlean E	arth PQ#0	1-103802-01		
्रे श क्षकः <u></u>						
classified, described	at the above named waste , packaged, marked, and la transportation according to DT and the EPA.	beled and are in o the applicable	ERATORIS SIG WIT NAME			DATE 4/1/10
THIS SECTION TO	O BE COMPLETED BY	HAULER / TRANSPORT	ER:			
COMPANY NAME		A	ADDRESS	V		PHONE NO.
Rainbow Ti	nucking		167 Stephe Hackettsto	ens Park Road wn, NJ 07840		(973) 598 8845
VEHICLE I.D. NO.	م	BOX NUMBER-IN	1	BOX NUMBER-OUT		COMMENTS
I Hereby certify that were accepted for t	t the above described wast ransportation at the produc ne waste facility. Both as lin	cer's GUJ+C	200	30		DATE 0-1-01-10
THIS SECTION TO	D BE COMPLETED BY F	RECEIVER AT DISPOSA	L FACILITY: (C	DNCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR
	Earth of Southeast Pennsylvania	, 		Steel Road East risville, PA 19067		PHONE NO. 215-428-1700
COMMENTS	- we see one g 2 2 tun 2 mil	3 . 9 .	ercare de	ew desiring of P S . Finished		some in value of different at 15 Year Year
	he above described wastes v lity, that the Facility is author eive such wastes.		SIGNATURE			DATE 4 2.10

sRpPrfGTN.rpt

Profile: 103150018

Report Grand Totals

20 tickets

Site ID: 315

Clean Earth of Southeast Pennsylvania

Profile GTN

Transactions from 04/05/2010 through 04/05/2010

User ID: JSINAVO

Inbound Tickets Only

Third Party and Intercompany Customers Sent and Unsent Tickets

Full Details

Ticket	Date	Truck	In / Out	Manifest	Customer			Gross	Tare	Ne
103150018 - Day	co Corp/L.E	. Carpenter Supe	erfund Site			Global Job Number:	113760			
315000031860	04/05/10	GRE209	I	27451	EWM426-EWMI			37.87	13.72	24.15
315000031863	04/05/10	TEV04	I	27453	EWM426-EWMI			36.71	12.07	24.64
315000031864	04/05/10	CVT99	I	27452	EWM426-EWMI			37.67	11.70	25.97
315000031866	04/05/10	TEV57	I	27454	EWM426-EWMI			37.67	13.70	23.97
315000031871	04/05/10	TEV88	I	27457	EWM426-EWMI			36.09	13.82	22.27
315000031874	04/05/10	TEV06	I	27458	EWM426-EWMI			35.42	13.37	22.05
315000031876	04/05/10	TEV30	I	27455	EWM426-EWMI			38.73	13.20	25.53
315000031877	04/05/10	BLA8224	I	27459	EWM426-EWMI			36.54	12.35	24.19
315000031878	04/05/10	TEV77	I	27460	EWM426-EWMI			41.04	14.55	26.49
315000031879	04/05/10	GRE210	I	27461	EWM426-EWMI			40.25	13.90	26.35
315000031884	04/05/10	TEV16	I	27456	EWM426-EWMI			33.78	13.13	20.65
315000031892	04/05/10	GRE203	I	27463	EWM426-EWMI			36.78	13.46	23.32
315000031893	04/05/10	GRE209	I	27462	EWM426-EWMI			37.40	13.72	23.68
315000031896	04/05/10	GRE210	I	27464	EWM426-EWMI			40.73	13.90	26.83
315000031897	04/05/10	TEV14	I	27465	EWM426-EWMI			35.33	13.62	21.71
315000031898	04/05/10	CVT99	I	27466	EWM426-EWMI	•		35.76	11.70	24.06
315000031906	04/05/10	TEV88	1	27468	EWM426-EWMI			35.26	13.82	21.44
315000031907	04/05/10	BLA8224	I	27467	EWM426-EWMI			36.43	12.35	24.08
315000031911	04/05/10	TEV170	I	27469	EWM426-EWMI			27.72	12.59	15.13
315000031912	04/05/10	BLA2482	I	27470	EWM426-EWMI			30.68	13.02	17.66
103150018 - Dayo	co Corp/L.E	. Carpenter Sup	erfund Sit					,	 -	464.17

	The Man	* .			
Class Esabb a	f Courtement Danney Luania	Ticket:	3150000319	12	
7 Steel Road	f Southeast Pennsylvania Fast		Date	Time	Scale
Morrisville,		Ins	4/5/2010	17:24:10	Scale 1
•	-1700 Fax: (215) 428-1704	Out:	4/5/2010	17:24:31	P.T.
		ė	Lbs	Tns	
Manifest:	27470	Gross:	61360	30.68	
Vehicle ID:		Tares	26040	13.02	
Act 90 Decal:		Meta	35320	17.66	
Customer:					
	Facility	Approval#:	103150018		
Generator:	L.E. Carpenter & Company		Dayco Corp	/L.E. Carp	enter Sup
Gen Address:	33567 Walker Rd. Jo	ob Address:	170 W. Mai	n St.	
	Avon Lake, OH 44012		Wharton, N	J 07885	
Drigin	Materials & Services		Quantity	Unit	
Not Applicable	Soil Treatment Type IV		17.66	Tns	ge deal ages upon trad anglides (1990 acce

Storage Area: Area 1

	Court PA 18067 5-6900	Inc. Docume Job/Pro		103802	
THIS SECTION TO	BE COMPLETED BY G	ENERATOR:		· ·	
COMPANY NAME/	ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT
L.E. Carpen 33587 Walk	der & Company er Road	Site Address: 170 N. Main Street		apid Response,	inc.
Avon Lake,		Wherton, NJ 07885	24 HOUR EMERGENCY F	PHONE # 877-460-1038	
QUANTITY	SIZE/TYPE	DESCRIPTION	DN	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil, DOTA	tCRA Non-Regulated	103150018	Est 22 Tons
	as to		emin with		
			4		
					Market Company
		:		- 9	
		Clean Earth PO # 0	1-103802-01		
			.*		
classified, described,	the above named waste(s) packaged, marked, and labe transportation according to and the EPA.	led and are in the applicable PRINT NAME	ENATURE LARVALUE LARV		DATE US/10
THIS SECTION TO	BE COMPLETED BY HA	AULER / TRANSPORTER:	"-"		
COMPANY NAME		ADDRESS			PHONE NO.
Rainbow Tr	ucking		ens Park Road wm, NJ 07840	Ż-	(973) 598 8845
VEHICLE I.D. NO., AK 2691	STATE 1	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS
were accepted for tra	the above described waste(sansportation at the producer waste facility. Both as liste	's	elvo o	2	DATE
hereupon.	_		ed 10 ·		
THIS SECTION TO	BE COMPLETED BY RE	CEIVER AT DISPOSAL FACILITY: (0	ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
· · · · · · · · · · · · · · · · · · ·	Earth of Southeast Pennsylvania		Steel Road East risville, PA 19067		PHONE NO. 215-428-1700
COMMENTS	v B	6			
	e above described wastes we by, that the Facility is authorize	I	<u> </u>	·	DATE 4.5.10
and portinited to 10001	TO SUCH MUSICO.		<u> </u>		

Ticket: 315000031911 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East Ins 4/5/2010 17:21:33 Scale 1 Morrisville, PA 19067 Outs 4/5/2010 17:22:19 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tns Manifest: 27469 Gross: 55440 27.72 Vehicle ID: TEV170 Tare: 25180 12.59 15.13 Act 90 Decal: WH1548 Net: 30260 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Quantity Unit Materials & Services Origin Not Applicable Soil Treatment Type IV 15.13 Tns

Storane Oreas Orea 1

<u></u>	<u></u>				<u></u>	
All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Docume Job/Proj	\$ \underset	103802	
THIS SECTION T	O BE COMPLETED BY G	ENERATOR:				
COMPANY NAME		S G		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT
L.E. Carpo	L.E. Carpenter & Company Site Address:			Re	ipid Response,	inc.
33587 Welker Road 170 N. Main Stre Avon Lake, OH. 44012 Wharton, NJ 07		170 N. Main Street		24 HOUR EMERGENCY PHONE #		
avui Land,	, mile republic	THE PERSONS IN THE PERSON NAMED IN CO.			877-460-1038	
QUANTITY	SIZE/TYPE		DESCRIPTION	N	APPROVAL	WEIGHT/VOLUME
rxx	DT	Mary Harmarine m		ICRA Non-Regulated	103150018	Est. 22 Tons
# T.# T. P		and the state of t	when the state	TOWN IN IN THE R. S. STANDERSON AND THE PERSON AND	U THE REST IN THE PART TO THE	majoran ale Algeria i in terri d'iller
	:					The second secon
						
						
	Mary Company			<u> </u>		
		Clean E	eth PO#0	1-103802-01		And the second second
2000	7		and the same			kilor:
Name to 197 C		GENE	RATOR'S SIC	NATURE	 	DATE
classified, described	at the above named waste(s) I, packaged, marked, and labe	eled and are in	of an	Chroma	<u> </u>	1 1/2/10
proper condition for egulations of the DC	fransportation according to T and the EPA.	1111111	T NAME	shall of L.E. Carponias & Company		1916
THIS SECTION T	O BE COMPLETED BY HA					
COMPANY NAME			DDRESS		 	PHONE NO.
			167 Steph	ens Park Road	*. 	AND THE STREET S
Rainbow To				MIN, NJ 07840		(973) 598 8845
/EHICLE I.D. NO.	STATE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS
0170 (1	FN 253M MO					<u>\$</u>
	t the above described waste(IATURE	The state of the s	Ŷ.	DATE
ite for delivery to t	ne waste facility. Both as liste	RRINT DRIVER			\	C11 140
nereupon.		to HI			<i>[</i>	
	<u></u>			ONCE SIGNED, A COPY MUS	PI RE FORWANDE	D TO EWMI AND GENERATOR)
	Earth of Southeast Pennsylvania			Steel Road East risville, PA 19067		PHONE NO. 215-428-1700
COMMENTS						and the second s
Hereby partify that t	he above described wastes	AUTHORIZED S	IGNATURE		 	DATE
elivered to this Facil	he above described wastes we lity, that the Facility is authorize				<u> </u>	4. (1/1)
and permitted to rece	eive such wastes.	T TIMAT NAME				

Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: (215) 428-1700 Fax: (215) 428-1704

Manifest: 27467 Vehicle ID: BLA0224 Act 90 Decal: WH10261 Customer: EWMI

Generator: L.E. Carpenter & Company

Gen Address: 33587 Walker Rd.

Avon Lake, OH 44012

Ticket: 315000031907

Date Time Scale
In: 4/5/2010 16:46:46 Scale 1
Out: 4/5/2010 16:47:09 P.T.

Lbs Tns
Gross: 72860 36.43
Tare: 24700 12.35
Net: 48160 24.08

Facility Approval#: 103150018

Job Name: Dayco Corp/L.E. Carpenter Sup

Job Address: 170 N. Main St. Wharton, NJ 07885

Consider the standard

Origin

Materials & Services

Quantity Unit

Mot Applicable

Soil Treatment Type IV

24.08 Ths

Storage Area: Area 1 Comment:

Drivers

Facility:

Siravol Joseph M

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970			Document # 27467 Job/Project # 103802					
THIS SECTION T	TO BE COMF	PLETED BY GI	ENERATOR:	7	¥"	·		
COMPANY NAMI	E/ADDRESS		×		IN CASE OF EMERGENC	Y OR SPILL CONTA	ACT	
L.E. Carpenter & Company Site Address: 33587 Walker Road 170 N. Main Stre			Rapid Response, Inc		inc.			
Avon Lake, OH. 44012 Wharton, NJ 07				24 HOUR EMERGENCY F				
						877-460-1038		
QUANTITY	SIZE/	TYPE		DESCRIPTION	N	APPROVAL CODE	WEIGHT/VOLUME	
XX1	- 1	т	Non-Hazardous	Soil, DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons	
		:						
			·					
				<u> </u>				
			Cloan E	arth PO # 01	-103802-01			
e de la companya de l					*** **********************************			
I Hereby certify the classified, described proper condition for regulations of the Described in the Description of the Descript	d, packaged, n r transportatio	narked, and labe on according to	led and are in the applicable	IT NAME	NATURE Status that off of the Companion & Companion		4/5/10	
THIS SECTION T	O BE COMF	PLETED BY HA	AULER / TRANSPOR	ΓER:	**			
COMPANY NAME				ADDRESS		W.	PHONE NO.	
Rainbow T	rucking				ns Park Road vn, NJ 07840		973) 598 8845	
VEHICLE I.D. NO	N2.	STATE	BOX NUMBER-IN		BOX NUMBER-OUT	2.	COMMENTS	
1	ADE	NJ	ed.		, politicopered To produce the second		i^{*} .	
I Hereby certify that		lescribed waste(DRIVER'S SIG	VAJVBE	- • • • • • • • • • • • • • • • • • • •	4	DATE	
were accepted for site for delivery to the hereupon.		•		r's NAME E Bern	d		4-5-10	
	O BE COMP	I ETEN BV DE		1		ST RE EORWARDE	O TO EWMI AND GENERATOR)	
FACILITY NAME	O DE COM	ECILD DI IIL	**	ADDRESS	NOE GIGINED, A GOT T MIGH	ST BE TO ITVANDE	PHONE NO.	
	Earth of S Pennsylva		,	7 S	iteel Road East isville, PA 19067		215-428-1700	
COMMENTS	المحاصية المعاملين ويمان المحاصية المعاملين	9.	st.					
I Hereby certify that	1			SIGNATURE	- Aller	-	DATE	
delivered to this Fac and permitted to rec		-	PRINT NAME	(and the second	Au		4.5.10	
				Approx.				

	And the second s		3. *				
Mann Enough a	f Southeast Pennsylvania	Service of the servic	Ticket:	3150000318	93		
7 Steel Road I				Date	Time	Scale	
Morrisville,			Ins	4/5/2010	13:00:35	Scale	1.
Ph: (215) 428		4	Outs	4/5/2010	13:00:58	P.T.	
		1,24.7	•	Lbs	Tns		
Manifest:			Gross:	74800	3740		
Vehicle ID:	GRE209		Tares	27440	13.72		
Act 90 Decal: Customer:			Met:	47360	23.68		
		Facility A	pproval#:	103150018			
Generator:	L.E. Carpenter & Company	•	Job Name:	Dayco Corp	/L.E. Carp	enter S	Sup
Gen Address:	33587 Walker Rd.	Job	Address:	170 N. Mai	n St.	*	
	Avon Lake, OH 44012			Wharton, M	J 07885		
Origin	Materials & Servic	es		Quantity	Unit		
Not Applicable	Soil Treatment Typ	e IV	41 4124 4 117 1767 4823 4 137 4854 4117 1 761 471	23.68	Tns		

Obornamo Anna & Amer 1

•		nc.	Document # 27462					
Northampton Phone 484-27 Fax 484-275-6	, PA 18067 5-6900	Job/Pro	oject #	103802				
THIS SECTION TO	BE COMPLETED BY GE	NERATOR:						
COMPANY NAME	ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT			
L.E. Carper 33587 Wall		Site Address: 170 N. Main Street	Rapid Response, Inc.					
Avon Lake,	OH. 44012	Mharton, NJ 07885	24 HOUR EMERGENCY F	3				
QUANTITY	SIZE/TYPE	DESCRIPTI	ON	APPROVAL CODE	WEIGHT/VOLUME			
XX1	70	Non-Hazardous Scit, DOT/	RCRA Non-Regulated	103150018	Est. 22 Tons			
				1.20	74500			
	<u> </u>				27140			
					47560			
ů,	4			·				
		Clean Earth PO #	01-103602-01					
	• 1995. ⊕							
classified, described,	the above named waste(s) packaged, marked, and labele transportation according to the T and the EPA.	ed and are in PRINT NAME	CONSTRUCTION OF THE COMPONENT & COMPONENT		DATE (// S/10			
THIS SECTION TO	BE COMPLETED BY HAU	JLER / TRANSPORTER:						
COMPANY NAME		ADDRESS		-	PHONE NO.			
Rainbow Tr	ucking		hens Park Road lown, NJ 07840		(973) 598 8845			
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	1	COMMENTS			
were accepted for tr	the above described waste(s) ansportation at the producer's e waste facility. Both as listed	10x12x1000 C	Paparta Japarta		04/05/10			
THIS SECTION T	BE COMPLETED BY REC	EIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)			
	Earth of Southeast Pennsylvania		' Steel Road East		PHONE NO. 215-428-1700			
COMMENTS	A service and a service a service and a service and a service a se	X .	THE PROPERTY OF THE STATE OF TH	;	2.10-220-3			
	e above described wastes were ty, that the Facility is authorized ive such wastes.	Street of the st			DATE 4/6/10			
	•				<u> </u>			

7 Steel Road Morrisville,		Ticket: In: Out:	3150000319 Date 4/5/2010 4/5/2010	Time	
Manifest: Vehicle ID: Act 90 Decal: Customer:	TEV88 WH1548	Gross: Tare: Net:	Lbs 70520 27640 42880	Tns 35.26 13.82 21.44	
Generator:		lity Approval#: Job Name: Job Address:	Dayco Corp	n St.	enter Sup
Origin	Materials & Services		Quantity	Unit	
Not Applicable	Soil Treatment Type IV		21.44	Tns	97 - 4664 79 14 9314 2429 9444 7 <u>339</u> 6 4784 3914

Environmenta & Rapid Resp	al Waste N oonse, Inc	Minimization .	Inc.	Docum	ent # 274	68	
14 Brick Kiln Northampton Phone 484-27 Fax 484-275-6	, PA 1806 75-6900	7		Job/Pro	oject #	103802	
THIS SECTION TO	O BE COM	PLETED BY G	ENERATOR:				
COMPANY NAME	/ADDRESS			\$ T	IN CASE OF EMERGENC	Y OR SPILL CONT	ACT
L.E. Carpo 33587 Wall		MESMIY	Site Address: 170 N. Main Stree	t	Re 24 HOUR EMERGENCY F	apid Response,	Inc.
Avon Lake,	OH. 440)12	Wharton, NJ 078	185	24 HOUR EWIENGENCY F	877-460-1038).
QUANTITY	SIZE/	TYPE		DESCRIPTION	NC	APPROVAL CODE	WEIGHT/VOLUME
XX1	. 240	or	Non-Hazardous	Soil, DOTA	RCRA Non-Regulated	103150018	Est. 22 Tons
				:	4.		
		e.					
		d.					
*			Clean Ea	ath PO#0	01-103802-01		2
		No.		and the second distribution of the second			
I Hereby certify that classified, described, proper condition for regulations of the DC	packaged, n transportatio	narked, and labe in according to	led and are in the applicable	Г NAME	GNATURE A RALLAS LA COMPANY		DATE
THIS SECTION TO	D BE COMP	PLETED BY HA	AULER / TRANSPORT	ER:			
COMPANY NAME			A	DDRESS		·.	PHONE NO.
Rainbow Tr	ucking				ens Park Road wn, NJ 07840	•	(973) 598 8845
VEHICLE I.D. NO.		STATE	BOX NUMBER-IN		BOX NUMBER-OUT	,	COMMENTS
TRUCKH 8	e e	こび	A.			\$. 4	1
I Hereby certify that were accepted for to site for delivery to the hereupon.	ansportation	at the producer	's	is A	CONTHAN	囊*	DATE 4 5 10
THIS SECTION TO	BE COMP	LETED BY RE		FACILITY: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
FACILITY NAME		Southeast		DDRESS 7	Steel Road East risville, PA 19067		PHONE NO. 215-428-1700
COMMENTS				. *			
I Hereby certify that the delivered to this Facil and permitted to rece	ity, that the Fa	acility is authorize		IGNATURE	4		DATE 4.5.10
and permitted to rece	ave such was			-(/	· · · · · · · · · · · · · · · · · · ·		

Ticket: 315000031898 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 15:15:03 4/5/2010 Scale 1 Ing Morrisville, PA 19067 4/5/2010 15:15:40 P.T. Out: Ph: (215) 428-1700 Fax: (215) 428-1704 Tns Lbs 71520 35.76 Manifest: 27466 Grossa Vehicle ID: CVT99 23400 11.70 Tares Act 90 Decal: WH7900 48120 24.06 Neta Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Wharton, NJ 07885 Avon Lake, OH 44012 Materials & Services Origin Quantity Unit Not Applicable Soil Treatment Type IV 24.06 Ths

Storage Area: Area 1

& Rapid Resp		on, Inc.	Docume	nt # 274	66	·
14 Brick Kiln Northampton, Phone 484-27 Fax 484-275-6	, PA 18067 5-6900		Job/Proj	ect/#	103802	· · · · · · · · · · · · · · · · · · ·
THIS SECTION TO	D BE COMPLETED BY	GENERATOR:				
COMPANY NAME	/ADDRESS			IN CASE OF EMERGENC	Y OR SPILL CONT	ACT
	nter & Company	São Address:		R	apid Response,	inc.
33587 Walk Avon Lake,	OH. 44012	170 N. Main Stre Wharton, NJ 070	*** *	24 HOUR EMERGENCY F	PHONE # 877-460-1038	
QUANTITY	SIZE/TYPE		DESCRIPTIO)N	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous	Soil DOTA	CRA Non-Regulated	103150018	Est. 22 Tons
	·					
		Clean E	enth PO#0	1-103802-01		
		- Carlotte	/			
classified, described,	the above named wast packaged, marked, and l transportation according T and the EPA.	abeled and are in to the applicable	T NAME	NATURE A FELLULO Medical E. Corporter & Congressy		DATE 4/5/10
THIS SECTION TO	BE COMPLETED BY	HAULER / TRANSPORT	ΓER:			V.
COMPANY NAME		· /	ADDRESS			PHONE NO.
Rainbow Tr	ucking			ens Park Road wn, NJ 07840	- Ma - 1	(973) 598 8845
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS
Hereby certify that were accepted for tra	the above described was ansportation at the produce waste facility. Both as	icer's Etie 11	R'S NAME	/	W. Carlotte	4/5/10
THIS SECTION TO	BE COMPLETED BY	RECEIVER AT DISPOSA	L FACILITY: (C	ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR)
	Earth of Southeas Pennsylvania	W		Steel Road East risville, PA 19067		PHONE NO. 215-428-1700
COMMENTS	_				:	***
	e above described wastes ty, that the Facility is authorize such wastes		SIGNATURE	2		DATE 4.5.10
and permitted to recei	IVE SUCIT WASIES.					

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7 Steel Road Morrisville,		04	Ticket: In: Out:	3150000318 Date 4/5/2010 4/5/2010	97 Time 15:04:39 15:05:03	Scale Scale 1 P.T.
Manifest: Vehicle ID: Act 90 Decal: Customer:	TEV14 WH1548		Gross: Tare: Net:	Lbs 70660 27240 43420	Tns 35.33 13.62 21.71	
Generator:	L.E. Carpenter & Company 33587 Walker Rd. Avon Lake, OH 44012	•	Approval#: Job Name: ob Address:	Dayco Corp	n St.	enter Sup
Drigin	Materials & Servi	ces		Quantity	Unit	

21.71 Tns

Soil Treatment Type IV

Not Applicable

	Court I, PA 18067 75-6900	Inc.	Docume Job/Pro	, 1	103802	
THIS SECTION TO	O BE COMPLETED BY GE	NERATOR:				
COMPANY NAME	ADDRESS			IN CASE OF EMERGENC	Y OR SPILL CONT	ACT
33587 Well	ker Road 1	Site Address: 170 N. Main St		24 HOUR EMERGENCY F	pid Response,	Inc.
Avon Lake,	OH. 44012	Wharton, N.J. C	7885	24 HOOR EWENGENOTT	877-460-1038	
QUANTITY	SIZE/TYPE		DESCRIPTION	ON	APPROVAL CODE	WEIGHT/VOLUME
XX1	OT	Non-Hezardou	s Soil, DOTA	RCRA Non-Regulated	103150018	Est. 22 Yons
				4.		
	*					
	Andrew Comments					
	The Board of the Contract of t					
		Clean	Earth PO#0	1-103002-01	.%(i)	
			and the state of t			N
classified, described,	t the above named waste(s), packaged, marked, and labele	ed and are in	1	GNATURE .		DATE
proper condition for regulations of the DC	transportation according to the DT and the EPA.	1	BINT NAME	dial of LE. Corporter & Company		1 (3)16
THIS SECTION TO	O BE COMPLETED BY HAI	JLER / TRANSPO	RTER:	**.		32.00
COMPANY NAME		*	ADDRESS			PHONE NO.
Rainbow Tr			Hackettsk	ens Park Road wn, NJ 07840		(973) 598 8845
K133E	TAY NTE NTE	BOX NUMBER-I	N 	BOX NUMBER-OUT	₹ 3.	COMMENTS
were accepted for tr	the above described waste(s)	. <u> </u>				DATE
hereupon.	ne waste facility. Both as listed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NEZ D.	Bailey		
	BE COMPLETED BY REC	EIVER AT DISPO		ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
	Earth of Southeast Pennsylvania			Steel Road East risville, PA 19067		215-428-1700
COMMENTS	were to one g a 4 to 0000		sweet .	nows proving 1 5 % D hardens	,	No. 2 Tel 12 Tel
	he above described wastes were		D SIGNATURE	4		DATE 4.5.10
and permitted to rece		PRINT NAME	<u> </u>			

Ticket: 315000031896 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/5/2010 14:09:42 Scale 1 Ins Morrisville, PA 19067 4/5/2010 Out: 14:09:56 P.T. Fax: (215) 428-1704 Ph: (215) 428-1700 Lbs Tris 81460 40.73 Manifest: 27464 Grossa Vehicle ID: GRE210 13.90 Tare: 27800 Act 90 Decal: WH12291 Nest: 53660 26.83 Customer: EWMT Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Mame: Dayco Corp/L.E. Carpenter Sup Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Wharton, NJ 07885 Avon Lake, OH 44012 Materials & Services Origin Quantity Unit Not Applicable Soil Treatment Type IV 26.83 Ths

Storage Area: Area 1 Comment:

	Court PA 18067 5-6900		Document Job/Projec		103802	
THIS SECTION TO	BE COMPLETED BY C	GENERATOR:				
COMPANY NAME/A	ADDRESS			N CASE OF EMERGENC	Y OR SPILL CONT	ACT
L.E. Carpen 33587 Walk	ter & Company er Road	Site Address: 170 N. Main Street			pid Response,	Inc.
Avon Lake,		Whaton, NJ 0788	5 2	24 HOUR EMERGENCY P		
	·				877-460-1038	
QUANTITY	SIZE/TYPE	. Di	ESCRIPTION		APPROVAL CODE	WEIGHT/VOLUME
XX1	01	Non-Hazardous So	a, DOT/RC	RA Non-Regulated	103150018	Est. 22 Tons
			·			
<u> 21 </u>						
125			a stance and the			
		Clean Eart	h PO # 01-	103802-01		
						C Market 12
classified, described, p	the above named waste(backaged, marked, and lab ransportation according to and the EPA.	peled and are in the applicable	NAME	ATURE LECTURE Total E Company		DATE 4/5/10
THIS SECTION TO	BE COMPLETED BY H	HAULER / TRANSPORTER	₹:			
COMPANY NAME		ADE	DRESS		 -	PHONE NO.
Rainbow Tru	rking			s Park Road n, NJ 07840		(973) 598 8845
VEHICLE I.D. NO. AH6380 WH12	3-91 NJ.	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS
	he above described waste		TURE	Juffer S	** **	DATE
site for delivery to the hereupon.	waste facility. Both as list	ted PRINT DRIVER'S	NAME E	disson lale	encia	4/5/10
THIS SECTION TO	BE COMPLETED BY RI	ECEIVER AT DISPOSAL F	ACILITY: (ON	CE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)
	Earth of Southeast ennsylvania	ADD		eel Road East ville, PA 19067		PHONE NO. 215-428-1700
COMMENTS		ż	×		3	# 12
delivered to this Facility	above described wastes w y, that the Facility is authorize	•	NATURE	4		DATE 45.10
and permitted to receiv	ve such wastes.	FAIIVI NAIVIE				

			•			
O'F and a second of the second	6 Charles and Pransaction		Ticket:	3150000318	92	
- Ciean Earth o - 7 Steel Road (f Southeast Pennsylvania			I)ate	Time	Scale
Morrisville,			Ins	4/5/2010	12:50:53	Scale 1
Ph: (215) 428		•	Outs	4/5/2010	12:51:43	P.T.
•				Lbs	Tns	
Manifest:	27463		Gross:	73560	36.78	
Vehicle ID:	GRE203		Tares	26920	13.46	. 5-
Act 90 Decal: Customer:			Neta	46640	23.32	
	F	acility A	:#Lavorqc	103150018		
Generator:	L.E. Carpenter & Company			Dayco Corp	/L.E. Carp	enter Sup
Gen Address:	33587 Walker Rd.	Job	Address:	170 N. Mai	n St.	
*	Avon Lake, OH 44012	;		Wharton, N	J 07885	
Drigin	Materials & Services	8		Quantity	Unit	
ot Applicable	Soil Treatment Type	IV		23.32	Tns	
Storage Area: Comment:	Area 1					a

					1	and a contract of				
All Correspond Environmenta & Rapid Resp 14 Brick Kiln Northampton Phone 484-27 Fax 484-275-6	al Waste M conse, Inc. Court , PA 18067 75-6900	linimizatior			Docume Job/Proj	***	274	63		
THIS SECTION TO		DI ETED BY (CENIEDA	rop.					<u> </u>	
COMPANY NAME		LEILD DI	SENENA	1011.		IN CASE OF	EMERGENC	Y OR SPILL CONT	ACT	
L.E. Carper 33587 Wall	nter & Cor	npany		ddress: . Main Stree	mat t	111 0/102 01		pid Response,		
Avon Lake,		112		ion, NJ 076		24 HOUR EN	MERGENCY F	PHONE # 877-460-1038		
QUANTITY	SIZE/	ГҮРЕ			DESCRIPTION	DN / /	'n	APPROVAL CODE	WEIGHT/VOLU	JME
XX1	T.	T	Non	Hazardous :	Soa, DOT/R	CRA Non-R	egulated	103150018	Est. 22 Ton	S
						y			7246	
						4.00			369	
2 ·			:			**			1664	/ > 1
							.e/*			
				Cloan E	arth PQ#0	1-103802-01	ļ			a - 12 a
	· · · · · · · · · · · · · · · · · · ·	# /						2)
Hereby certify that lassified, described, roper condition for egulations of the DC	packaged, m transportation	narked, and lab n according to	eled and	are in cable PRIN	TNAME	MATURE ()	н ж Санарачу		DATE 4/5/10	्रक्षी व
HIS SECTION TO	D BE COMP	LETED BY H	HAULER	TRANSPORT	ER:	S.,				
OMPANY NAME				A	DDRESS				PHONE NO.	
Rainbow Tr	ucking					ens Park Ro wn, NJ 078			(973) 598 88	4 5
EHICLE I.D. NO.	***	STATE	вох	NUMBER-IN		BOX NUM	BER-OUT		COMMENTS	_
Hereby certify that were accepted for tr ite for delivery to th	ransportation	at the produc	er's	RIVER'S SIGN RINT DRIVER	- Land		, ·		DATE 4-5-1	10
ereupon.	NE 0014D	ETED BY D	5051)/55	AT DIODOGA	L EAGUETY. /	rail y) - = = = = = = = = = = = = = = = = = =	74.	D TO FINAL AND OF	NED ATOD
	BE COMP	FEIEN BY K	ECEIVER		DDRESS	JINGE SIGNED,	A COPY MU	OI DE FURWARDE	D TO EWMI AND GEN PHONE NO.	NEDAIOR
ACILITY NAME A Clean Earth of Southeast Pennsylvania			7	Steel Road I			215-428-17	700		
COMMENTS			A.		·.			,		
Hereby certify that the			vere ized	UTHORIZED S	GIGNATURE				DATE	_
		-		DIALT NIARAC	E.				1	

		The state of the s				
		i i				.*
Clean Earth of South	renaet Elemanear Leannia	Tic	ket: 315000	031884		
7 Steel Road East	mase remmyrvania		i)at	e Time	Scale	
Morrisville, PA 1906	:7		In: 4/5/8	010 10:58:21	. Scale	1.
Ph; (215) 428-1700	Fax: (215) 428-1704	$\frac{\partial \mathcal{L}_{\mathcal{A}}}{\partial \mathcal{L}_{\mathcal{A}}} = \frac{\partial \mathcal{L}_{\mathcal{A}}}{\partial \mathcal{L}_{\mathcal{A}}} = \partial $	Out: 4/5/2	010 10:58:45	F.T.	
	,		lbs	Tris		
Manifest: 27456		Gr	oss: 67560	33.78		
Vehicle ID: TEV16		T	are: 26260	13.13	* •	
Act 90 Decal: WH1544	k	•	Net: 41300	20.65		
Customer: EWMI				.m. + m		
Communication of the contract		acility Approv	al#: 103156	W18		.
	Carpenter & Company			Corp/L.E. Car	bencer :	sup
Gen Address: 33587		Job Addr		Main St.		
HAOU T	.ake, OH 44012		wnartc	m, NJ 07885		
Change and an	Materials & Service	5	Quan	tity Unit		
Origin						
Not Applicable	Soil Treatment Type	IV	2(ð.65 Tns		,

Environmenta & Rapid Res		Inc.	Doçume	nt # 274	56		
14 Brick Kiln Northampton Phone 484-27 Fax 484-275-0	ı, PA 18067 75-6900		Job/Proj	ect #	103802		
THIS SECTION T	O BE COMPLETED BY GE	NERATOR:					
COMPANY NAME	ADDRESS			IN CASE OF EMERGENC			
L.E. Carper 33587 Wall		Site Address: 170 N. Main Stre	nsib	Ra	pid Response,	inc.	
	· · · · · · · · · · · · · · · · · · ·	Wharton, NJ 07		24 HOUR EMERGENCY PHONE # 877-460-1038			
QUANTITY	SIZE/TYPE		DESCRIPTIC)N	APPROVAL CODE	WEIGHT/VOLUME	
XX1	DT	Non-Hazardous	Soil DOT/R	CRA Non-Regulated	103150018	Est. 22 Tons	
-			· · · · · · · · · · · · · · · · · · ·				
		····		-			
		Clean E	ath PO#0	1-103602-01			
		· ·					
	at the above named waste(s)	allo proporty Jr Jr	ERATOR'S SIG	GNATURE .		DATE	
	, packaged, marked, and label transportation according to the DT and the EPA.	he applicable	T NAME	half of L.E. Caspanial & Company		4/5/10	
THIS SECTION TO	O BE COMPLETED BY HA	ULER / TRANSPORT	ΓER:			and the second s	
COMPANY NAME			ADDRESS			PHONE NO.	
Rainbow Ti	rucking 662			ens Park Road wn, NJ 07840		(973) 598 8845	
VEHICLE I.D. NO.	TEV 16 NJ	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS	
Hereby certify that	the above described waste(s	DRIVER'S SIGI	NATURE		server 1	DATE	
were accepted for to	ransportation at the producer's	, <u> </u>		forme for	o	1 / /	
nereupon.	ne waste facility. Both as listed	PRINT DRIVER	S NAME	TaimE To	RO	4/5/2010	
THIS SECTION TO	D BE COMPLETED BY REC			DNCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)	
ACILITY NAME	Earth of Southeast	A	ADDRESS 7	Steel Roed East		PHONE NO.	
	Perrsylvania			risville, PA 19067	<u>.</u>	215-428-1700	
COMMENTS		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				ş**	
	he above described wastes wer	4	SIGNATURE			DATE 4.5.10	
and permitted to rece	•	PRINT NAME				7.3.70	

			mg. Sa	geography (St. 187	The second secon	
P. T. marrier P. Warnshaller and	E Complete and the Commence of the second of		Ticket:	3150000316	179	
7 Steel Road I	f Southeast Pennsylvania – Fast			Date	Time	Scale
Morrisville, I			Ina	4/5/2010	10:10:13	Scale i
-	-1700 Fax: (215) 428-170	4	Out:	4/5/2010	10:10:26	P.T.
				L.bs	Tns	
Manifest:	27461		Gross:	80500	40.25	
Vehicle ID:	GRE210		Tare:	27800	13.90	
Act 90 Decal: Customer:			Net:	52700	2635	
		Facility	Approval#:	103150018		•
Generator:	L.E. Carpenter & Company	ŕ		Dayco Corp	/L.E. Carp	enter Su
	•	Jo		170 N. Mai		·
	Avon Lake, OH 44012			Wharton, h	IJ 07885	
Origin	Materials & Servic	es		Quantity	Unit	
Not Applicable	Soil Treatment Typ	e IV	1922 - 2024 - 1224 - 2024 - 2024 - 2024 - 2024 - 2024 - 2024 - 2024 - 2024	26.35	Tns	10 III 110 110 110 110 110 111 111 111 1

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court		, Inc.	Document # 274		61	4			
Northampton, Phone 484-275-6	PA 1806 5-6900	7		Job/Pro	ject #	103802			
THIS SECTION TO	BE COM	PLETED BY G	ENERATOR:						
COMPANY NAME/	ADDRESS				IN CASE OF EMERGENC	Y OR SPILL CONT	ACT		
L.E. Carpen 33587 Walk			Site Address: 170 N. Main Stre	et	Rapid Response, Inc. 24 HOUR EMERGENCY PHONE #				
Avon Lake,	OH. 440)12 	Wharton, NJ 07	685	24 HOUR EMERGENCY F	877-460-1038			
QUANTITY	SIZE/	TYPE		DESCRIPTION	ON	APPROVAL CODE	WEIGHT/VOLUME		
XX1 DT		Non-Hazardous	Soil, DOT/F	RCRA Non-Regulated	103150018	Est. 22 Tons			
	····								
							5 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		
	<u></u>			· · · · · · · · · · · · · · · · · · ·					
			Clean E	enth PO#0	11-103802-01		April 1980		
			·						
I Hereby certify that classified, described, proper condition for t regulations of the DOT	packaged, n transportatio	narked, and labe n according to	eled and are in the applicable	NT NAME	SNATURE LICENSE LIC		DATE SITE		
THIS SECTION TO	BE COMF	PLETED BY HA	AULER / TRANSPOR		and the second s		Maria San		
COMPANY NAME				ADDRESS	· · · · · · · · · · · · · · · · · · ·	· · ·	PHONE NO.		
Rainbow Tru	cking				ens Park Road wm, NJ 07840		(973) 598 8845		
VEHICLE I.D. NO. AM 6380 WH 13	2291	STATE いち.	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS		
I Hereby certify that twere accepted for tra		•	' I	NATURE 🖍	Jefens	MA.	DATE		
site for delivery to the hereupon.	waste facili	ity. Both as liste	PRINT DRIVER	R'S NAME	Edisson Vale	ucrip	4/5/10		
THIS SECTION TO	BE COMP	LETED BY RE	CEIVER AT DISPOSA	AL FACILITY: (ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
		Southeast			Steel Road East		PHONE NO.		
COMMENTS	emsylva	SHO OBES		MUA	risville, PA 19067	1	215-428-1700		
						·			
I Hereby certify that the delivered to this Facilit and permitted to receive	y, that the Fa	acility is authorize		SIGNATURE	/		DATE 4.5.10		
					/		l di		

Ticket: 315000031878 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East Ins 4/5/2010 09:59:58 Scale 1 Morrisville, PA 19067 Out: 4/5/2010 10:00:19 P.T. Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tns 82080 41.04 Manifest: 27460 Gross: Vehicle ID: TEU77 14.55 Tare: 29100 Act 90 Decal: WH1548 26.49 Nets 52980 Customer: EWMI Facility Approval#: 103150018 Generator: L.E. Carpenter & Company Job Name: Dayco Corp/L.E. Carpenter Sup Job Address: 170 N. Main St. Gen Address: 33587 Walker Rd. Wharton, NJ 07885 Avon Lake, OH 44012 Materials & Services Quantity Unit Origin 26,49 Tns Soil Treatment Type IV Not Applicable

Storage Area: Area 1

All Correspondence and Invoices to:

Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court		, Inc.	Docume	ent # 274	103802		
Northampton Phone 484-27	, PA 18067 '5-6900		Job/Project#				
THIS SECTION TO	O BE COMPLETED BY G	ENERATOR:					
	& Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970 IIS SECTION TO BE COMPLETED BY GENERATOR: DMPANY NAME/ADDRESS L.E. Carpenter & Company 33567 Walker Road Avon Lake, OH. 44012 GUANTITY SIZE/TYPE XX1 DT Non-Hazand Wharton, NJ Siste Address 170 N. Main: Wharton, NJ Wharton, NJ Bereby certify that the above named waste(s) are properly sistified, described, packaged, marked, and labeled and are in per condition for transportation according to the applicable ulations of the DOT and the EPA. IS SECTION TO BE COMPLETED BY HAULER / TRANSI MPANY NAME Rainbow Trucking HICLE I.D. NO. STATE BOX NUMBER Clean Earth of Southeast Pennsylvaria MMENTS PRINT DR AUTHORIZ AUTHORIZ PRINT DR PRINT DR AUTHORIZ PRINT DR PRINT DR PRINT DR AUTHORIZ PRINT DR PRINT DR PRINT DR PRINT DR PRINT DR AUTHORIZ PRINT DR PRI	Cita Address.		IN CASE OF EMERGENC	Y OR SPILL CONT Poid Response.		
33587 Wall	rer Road	170 N. Main Stree Wharton, NJ 078		24 HOUR EMERGENCY F			
QUANTITY	SIZE/TYPE		DESCRIPTION	DN .	APPROVAL CODE	WEIGHT/VOLU	JME
XX1	DT	Non-Hezandous (Soil, DOT/F	RCRA Non-Regulated	103150018	Est. 22 Ton	9
							
		Clean E	wth PO#0	1-103802-01		\$\frac{\partial \text{\text{\$\frac{\partial \text{\$\frac{\partial \text{\$\frac{\eta}}}{\partial \$\frac{\partial \text{\$\frac{\	
classified, described, proper condition for regulations of the DO	packaged, marked, and labe transportation according to IT and the EPA.	eled and are in the applicable	NAME	Olicit of L.E. Comparisor & Company		DATE U/S/10	
COMPANY NAME		A	DDRESS		****	PHONE NO.	
Raintxw Tr	v aking			ens Park Road wn. NJ 07840		(973) 598 88	45
VEHICLE I.D. NO.		BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS	
were accepted for the site for delivery to the	ansportation at the producer	PRINT DRIVER	S NAME	NUN	<u>* *</u> *	DATE (1-5-10)
	DE COMPLÈTED DY DE	CAULD		1212.	T'DE EODIMADDE		
FACILITY NAME	D BE COMPLETED BY HE	***	DDRESS	ONCE SIGNED, A COPY MUS	SI BE FURWARDE	PHONE NO.	IERAIOR)
Clean	•		7	Steel Road East risville, PA 19067	<u></u>	215-428-17	00
COMMENTS		-		1	,		
		ed	IGNATURE	4		DATE 4.5-10)
and permitted to rece	ive such wastes.	PRINT NAME				1,32,6	<u> </u>

			•		·*	
	And the second s			a,	Silver of the	
Clean Earth of 7 Steel Road E Morrisville, P Ph: (215) 428-	A 19 0 67		Ticket: In: Out:		77 Time 09:50:53 09:51:24	Scale Scale 1 P.T.
Titu Stadens Thate	ACCOUNT TOOL TOOLS THAT I	, e corre		L.bs	ïns	
Manifest:	9776G		Grossa	73080	36.54	
Vehicle ID:			Tares	24700	12.35	
Act 90 Decal: Customer:	WH10261		Neta	48380	24.19	
		Facili	ty Approval#:	103150018		
	L.E. Carpenter & Compar 33587 Walker Rd.			Dayco Corp	,	enter Sup
	Avon Lake, OH 44012			Wharton, N	J 07885	
Origin	Materials & Serv	vices		Quantity	Uni.t	
Not Applicable	Soil Treatment	Type IV		24, 19	Tns	744

Environmenta & Rapid Resp 14 Brick Kiln	Court	nc. Docum	nent#274	103802			
Northampton Phone 484-27 Fax 484-275-6	75-6900	Job/Project #					
THIS SECTION TO	O BE COMPLETED BY GE	NERATOR:					
COMPANY NAME	/ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT		
LE Carper 33587 Wall		70 N. Main Street		pid Response,	inc.		
Avon Lake,	OH. 44012	Wharton, NJ 07885	24 HOUR EMERGENCY F	PHONE # 877-460-1038			
QUANTITY	SIZE/TYPE	DESCRIPT	TION	APPROVAL CODE	WEIGHT/VOLUME		
XX1	T DT	Non-Hazardous Soil, DOT/	RCRA Non-Regulated	103150018	Est. 22 Tons		
		·					
		· · · · · · · · · · · · · · · · · · ·	·		- 1 ⊗ 11		
		Clean Earth PO #	01-103802-01				
classified, described, proper condition for regulations of the DC		d and are in Cut Cut e applicable PRINT NAME	MGNATURE		DATE SIT		
· · · · · · · · · · · · · · · · · · ·	D BE COMPLETED BY HAU	<u></u>	·		DUONE NO		
COMPANY NAME		ADDRESS 167 Step	hens Park Road		PHONE NO.		
Rainbow Tr			town, NJ 07840		(973) 598 8845		
BIADE SX.		BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS		
	the above described waste(s) ransportation at the producer's			V	DATE		
site for delivery to the hereupon.	ne waste facility. Both as listed	PRINT DRIVER'S NAME Sean & Berno	rd		4-5-10		
THIS SECTION TO	BE COMPLETED BY REC	EIVER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
	Earth of Southeast Pennsylvania		7 Steel Road East priisville, PA 19067		PHONE NO. 215-428-1700		
COMMENTS							
	ne above described wastes were				DATE 4.5.10		
and permitted to rece	ity, that the Facility is authorized	PRINT NAME	10				
		V					

Ticket: 315000031876 Clean Earth of Southeast Pennsylvania Date Time Scale 7 Steel Road East 4/5/2010 09:48:54 Scale 1 Ins Morrisville, PA 19067 4/5/2010 09:49:18 P.T. Outs Ph: (215) 428-1700 Fax: (215) 428-1704 Lbs Tris 77460 38.73 Manifest: 27455 Grossa Vehicle ID: TEV30 26400 13.20 Tares Act 90 Decal: WH1548 25.53 Neta 51060 Customer: EWMI Facility Approval#: 103150018 Job Mame: Dayco Corp/L.E. Carpenter Sup Generator: L.E. Carpenter & Company Gen Address: 33587 Walker Rd. Job Address: 170 N. Main St. Avon Lake, OH 44012 Wharton, NJ 07885 Materials & Services Quantity Unit Origin

25.53

Tns

Soil Treatment Type IV

Not Applicable

	court PA 18067 -6900	Docume Job/Pro	\	103802			
THIS SECTION TO	BE COMPLETED BY GEN	NERATOR:					
COMPANY NAME/A	ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONTA	ACT		
	L.E. Carpenter & Company Site Add		Ra	ipid Response,	inc		
		70 N. Main Street Mharton, NJ 07885	24 HOUR EMERGENCY PHONE #				
Perse Lema, V	<i>₽₹₹</i> ₽	THE SEAS ROOM OF MINER WAY COMMAND	877-460-1038				
QUANTITY	SIZE/TYPE	DESCRIPTION	DN	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT 8	Non-Hazardous Soil, DOTA	RCRA Non-Regulated	103150018	Est. 22 Tons		
				7			
4							
		Clean Earth PO # 0	11-103602-01		10 10 10 10 10 10 10 10 10 10 10 10 10 1		
classified, described, p	the above named waste(s) obschaged, marked, and labele ansportation according to the and the EPA.	d and are in PRINT NAME	GNATURE ', LIPERENT COMPANY		DATE 4//5/10		
THIS SECTION TO	BE COMPLETED BY HAU	JLER / TRANSPORTER:	N. C.				
COMPANY NAME		ADDRESS			PHONE NO.		
Rainbow Tru	cking TEU	30 167 Steph	ens Park Road wm, NJ 07840		(973) 598 8845		
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS		
AL5974	NJ	TEU 30					
Hereby certify that the	he above described waste(s)	DRIVER'S SIGNATURE	The state of the s	12	DATE		
·	resportation at the producer's waste facility. Both as listed	PRINT DRIVER'S NAME 2			4-5-10		
hereupon.		PRINT DRIVER'S NAME	ENALT	,			
THIS SECTION TO I	BE COMPLETED BY REC	EIVER AT DISPOSAL FACILITY: (ST BE FORWARDE	D TO EWMI AND GENERATOR)		
FACILITY NAME		ADDRESS			PHONE NO.		
Clean Earth of Southeast Pennsylvania			Steel Road East visville, PA 19067		215-428-1700		
COMMENTS	e is and a court		EVERT STREET, F AT 1-474-74.145		& LOTE TO THE		
		AUTHORIZED SIGNATURE		·	DATE		
• •	above described wastes were that the Facility is authorized e such wastes.		12		4.5.10		
<u></u>			<u>/</u>				

	₩33 - 85.			**	· · · · · · · · · · · · · · · · · · ·	
7 Steel Road Morrisville,	PA 19067		Ticket: In: Out:	3150000318 Date 4/5/2010 4/5/2010	.74 Time 09:44:32 09:45:05	Scale Scale 1 P.T.
Ph: (215) 428	-1700 Fax: (215) 428-170	4		TY CH L.CH.C	C) D R TC) B C)C)	
				Lbs	Tns	•
Manifest:			Gross:	70840	35.42	
Vehicle ID:	TEVØ6	•	Tare:	26740	13.37	•
Act 90 Decal:			Nets	44100	22.05	
Customer:						
	L.E. Carpenter & Company 33587 Walker Rd. Avon Lake, OH 44012	Facility 6	Job Mame:	103150018 Dayco Corp 170 N. Mai Wharton, N	n St.	enter Sup
Origin	Materials & Servic	:05		Quantity	Unit	
Not Applicable	Soil Treatment Typ	e IV		22.05	Tns	

Storage Area: Area 4 Comment:

	l Waste Minimization, onse, Inc. Court PA 18067 5-6900	lnc.	Docume Job/Proj	•	103802	
THIS SECTION TO	BE COMPLETED BY G	ENERATOR:				
COMPANY NAME/	ADDRESS			IN CASE OF EMERGENC	Y OR SPILL CONTA	ACT
L.E. Carpen 33567 Walk		Site Address: 170 N. Main Stree	at to		apid Response,	Inc.
Avon Lake,	In Court on, PA 18067 275-6900 5-6970 ITO BE COMPLETED BY GENERATOR: ME/ADDRESS MONTHER & Company alker Road Re, OH. 44012 SIZE/TYPE DT Non-Hazarckous Clean E That the above named waste(s) are properly ed, packaged, marked, and labeled and are in for transportation according to the applicable DOT and the EPA. TO BE COMPLETED BY HAULER / TRANSPOR ME Trucking O. STATE BOX NUMBER-IN Date the above described waste(s) reproperly according to the applicable portion at the producer's the waste facility. Both as listed TO BE COMPLETED BY RECEIVER AT DISPOSATE TO BE	185	24 HOUR EMERGENCY I	877-460-1038		
QUANTITY	SIZE/TYPE		DESCRIPTIO	DN	APPROVAL CODE	WEIGHT/VOLUME
XX1	OT	Non-Hazardous	SON, DOTAR	ICRA Non-Regulated	103150018	Est. 22 Tons
	11 11 12 Min					
*		Clean E	arth PO#0	1-103602-01		
			and the second		2	
classified, described, p	packaged, marked, and labe ransportation according to	led and are in the applicable	RATOR'S SIG 2014 G T NAME	whiteren		1/5/10
THIS SECTION TO	BE COMPLETED BY HA			ind of L.E. Carpoolir & Company		
COMPANY NAME			DDRESS			PHONE NO.
Rainbow Tra	ncking		167 Steph	ens Park Road wn, NJ 07840		(973) 598 8 <u>8</u> 45
VEHICLE I.D. NO.	STATE N			BOX NUMBER-OUT		COMMENTS
were accepted for tra	nsportation at the producer	's A)iO	<u>.</u>	'A .	H/5-10
THIS SECTION TO	BE COMPLETED BY RE	CEIVER AT DISPOSAL	L FÁCILITÝ: (C	ONCE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR)
	7	A		Steel Road East		PHONE NO.
COMMENTS	en u tsyrvan har		ARX	risville, PA 19067	,	215-428-1700
delivered to this Facility	y, that the Facility is authorize	ed	SIGNATURE	<u> </u>		DATE 4.5.10
and permitted to receiv	ve such wastes.		ž,	(/		

			ş.		. *********** \$	*	
177 man 18 avadeba en	F. Consideran nambo Commencer volumens da	e" a r	Tickets	3150000318	71		
7 Steel Road (f Southeast Pennsylvania			Date	Time	Scale	
Morrisville, f			Ina	4/5/2010	09:37:14	Scale	1.
Ph: (215) 428-			Outs	4/5/2010	09:37:37	P.T.	
		·		Lbs	Tris		
Manifest:	27457		Grossa	72180	3609		
Vehicle ID:	TEV88		Tare:	27640	13.82		
Act 90 Decal: Customer:	***************************************		Nets	44540 📝	22.27		
	F	Facility (a#Lavorqqf	103150018			
Generator:	L.E. Carpenter & Company	•		Dayco Corp	/L.E. Carp	enter S	up
Gen Address:	33587 Walker Rd.	Jol	o Address:	170 N. Mai	n St.		
	Avon Lake, OH 44012			Wharton, N	J 07885		
Origin	Materials & Service	? \$		Quantity	Unit		
Not Applicable	Soil Treatment Type	· IV		22,27	Tns	ish anda shind acta vela 7400 away sv	

Storage Area: Area 1

All Correspondence and Invoices to: Environmental Waste Minimization, Inc. & Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA 18067 Phone 484-275-6900 Fax 484-275-6970		}.	Document Job/Projec		103802	· /			
THIS SECTION TO	BE COMPLETED	BY GENE	RATOR:		·				
COMPANY NAME/	ADDRESS			i	N CASE OF EMERGENC	Y OR SPILL CONT	ACT		
L.E. Carpen	ter & Company		e Address:		Rapid Response, Inc.				
33587 Walk Avon Lake,			ON. Main Street harton, NJ 076	NJ 07885 24 HOUR EMERGENCY PH			HONE # 877-460-1038		
QUANTITY	SIZE/TYPE			DESCRIPTION		APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT	Ni	on-Hazardous	Soil, DOT/RC	RA Non-Regulated	103150018	Est. 22 Tons		
	100 (100 (100 (100 (100 (100 (100 (100	<u> </u>							
			Clean E	erth PO#01-	103802-01				
				4					
classified, described,	the above named w packaged, marked, ar transportation accordi T and the EPA.	id labeled a	and are in applicable	T NAME	ATURE OFFICE Company		DATE 4//5/10		
THIS SECTION TO	BE COMPLETED	BY HAUL	ER / TRANSPORT	ER:					
COMPANY NAME			·	ADDRESS			PHONE NO.		
Rainbow Tru	scking			167 Stephen Hackettstown			(973) 598 8845		
VEHICLE I.D. NO.	STATE (X)	E B	OX NUMBER-IN		BOX NUMBER-OUT		COMMENTS		
vere accepted for tra	the above described ansportation at the property waste facility. Both	oducer's	DRIVER'S SIGN	A. C.		:	DATE		
THIS SECTION TO	BE COMPLETED E	Y RECEI	VER AT DISPOSA	L FACILITY: (ON	CE SIGNED, A COPY MU	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
	Earth of Souther 'ennsylvania	esi	Ā		eel Road East ville, PA 19067		PHONE NO. 215-428-1700		
COMMENTS	The same of the same foreign			O SAME O PAS	1		Annual Company of the State of		
	e above described was y, that the Facility is au		AUTHORIZED S	SIGNATURE	L		DATE 4.5-10		
and permitted to recei	ve such wastes.		PRINT NAME						

Clean Earth of 7 Steel Road E Morrisville, F Ph: (215) 428-	PA 19067	Ticket: In: Out:	3150000318 Date 4/5/2010 4/5/2010	Time	Scale Scale 1 P.T.
Manifest: Vehicle ID: Act 90 Decal:	27454 TEV57 WH1548	Gross: Tare: Net:	Lbs 75340 27400 47940	Tms 37.67 13.70 23.97	
			103150018 Dayco Corp 170 N. Mai Wharton, N	n St.	enter Sup
Origin	Materials & Services		Quantity	Unit	
Not Applicable Storage Area:	Soil Treatment Type I Area 1	V	23.97	Tns	
Comment:	8				

And the state of t

All Correspondence and Invoices to:

Environmental Waste Minimization, Inc. & Rapid Response, Inc.		nc. Docum	ent # 274	54			
14 Brick Kiln C Northampton, Phone 484-275	Court PA 18067	Job/Pro	piect #	103802	Mg		
Fax 484-275-69			ь				
THIS SECTION TO	BE COMPLETED BY GEN	IERATOR:					
COMPANY NAME/	ADDRESS		IN CASE OF EMERGENC	Y OR SPILL CONT	ACT		
		ite Address: 70 N. Main Street	24 HOUR EMERGENCY P	ipid Response,	frac.		
	33587 Walker Road 170 N. Main S Avon Lake, OH. 44012 Wharton, NJ		07885		877-460-1038		
QUANTITY	SIZE/TYPE	DESCRIPTION	ON	APPROVAL CODE	WEIGHT/VOLUME		
XX1	DT	Non-Hazardous Soil, DOTA	RCRA Non-Regulated	103150018	Est. 22 Tons		
-	· · · · · · · · · · · · · · · · · · ·						
				·			
	Clean Earth PO # 01-103802-01						
Cle		Clean Earth PO # 0	01-103802-01				
					K.		
classified, described, p	the above named waste(s) a backaged, marked, and labeled ransportation according to the and the EPA.	d and are in PRINT NAME	GNATURE LUCK COLLEGE CONTROL & COLUMNIA OF LE COL		DATE 10.		
THIS SECTION TO	BE COMPLETED BY HAU	LER / TRANSPORTER:	S				
COMPANY NAME	-	ADDRESS			PHONE NO.		
Rainbow Tru	icking = T.E.U	A / P P	tens Park Road own, NJ 07840		(973) 598 8845		
VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT		COMMENTS		
Al 8501	U N.J						
were accepted for train	he above described waste(s) nsportation at the producer's waste facility. Both as listed	PRINT DRIVER'S NAME	Anse a uclasa		04-05-10		
THIS SECTION TO	BE COMPLETED BY RECE	EIVER AT DISPOSAL FACILITY: ((ONCE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)		
	arth of Southeast ennsylvania		Steel Road East misville, PA 19067		PHONE NO. 215-428-1700		
COMMENTS			2	:			
	above described wastes were that the Facility is authorized	AUTHORIZED SIGNATURE	4.		DATE 4.5.10		
and permitted to receiv		PRINT NAME			7.3.10		

	The second second	And the second second			١,	
						Y STATE
69.7		. 4	Ticket:	3150000318	64	
7 Steel Road	of Southeast Pennsy	'Ivania		Date	Time	Scale
Morrisville,			Ins	4/5/2010	09:19:51	Scale 1
Ph: (215) 42		428-1704	Out:	4/5/2010	09:20:27	P.T.
				Lbs	Tns	
Manifest	: 27452		Grossa	75340	37.67	
Vehicle ID	# CVT99	:	Tares	23400	11.70	
Act 90 Decal	: WH7900		Net:	51940	25.97	
Customer	: EWMI					
			Approval##			
	: L.E. Carpenter &			Dayco Corp		enter Sup
Gen Address	: 33587 Walker Rd.		b Address:			
	Avon Lake, OH 440	15		Wharton, N	J 07885	
Origin -	Materials	& Services		Quantity	Unit	•

25.97 Tns

Soil Treatment Type IV

Not Applicable

Environmenta & Rapid Resp 14 Brick Kiln Northampton Phone 484-27 Fax 484-275-6	al Waste M oonse, Inc. Court , PA 18067 75-6900	inimization, I	Inc.	Job/Project #			103802	**************************************	*	
THIS SECTION TO	О ВЕ СОМР	LETED BY GE	NERATOR:	·						
COMPANY NAME	nter & Cor		Site Address:		IN CASE OF EMERGENCY OR SPILL CONTACT Rapid Response, Inc.					
33587 Wall Avon Lake,			170 N. Main Stree Wharton, NJ 078		24 HOUR I	EMERGENCY F	PHONE # 877-460-1038	B		
QUANTITY	" SIZE/I	ГҮРЕ		L FION		APPROVAL CODE	WEIGHT/VC	IGHT/VOLUME		
XX1	<u> </u>)T	Non-Hazardous Soil, DOT/RCRA Non-Regulated				103150018			
					,			-		
										
			and the last time to the last time time to the last time time time time time time time tim							
		, w	Clean Ea	artin PO#	01-103802-	D1				
I Hereby certify that classified, described, proper condition for regulations of the DC	, packaged, m transportation DT and the EP/	arked, and labele n according to th A.	ed and are in ne applicable	COM	SIGNATURE COMPONENTS OF LE COMPONENTS OF	0		DATE - 4/5/10		
COMPANY NAME	-	LETED BY HAC		DDRESS		· -		PHONE NO.		
Rainbow Tr				167 Step	ohens Park R down, NJ 07		(973) 598 8845			
VEHICLE I.D. NO. STATE AT-750Z W.T.			BOX NUMBER-IN	BOX NUMBER-OUT				COMMENTS		
I Hereby certify that were accepted for to site for delivery to th hereupon.	the above de	at the producer's	PRINT DRIVER	S NAME	I wan be			DATE 4/5/(0	X	
THIS SECTION TO	D BE COMPL	LETED BY REC	EIVER AT DISPOSAL	FACILITY:	(ONCE SIGNE	D, A COPY MU	ST BE FORWARDE	D TO EWMI AND G	ENERATOR)	
	Earth of S Pennsylva		A		7 Steel Road orrisville, PA			PHONE NO. 215-428-	1700	
COMMENTS										
I Hereby certify that the	lity, that the Fa	cility is authorized	€	AUTHORIZED SIGNATURE				DATE 456	0	
and permitted to rece	eive such Wast	es. 		_(

			3		* *	
Clean Earth o 7 Steel Road (Morrisville, 1 Ph: (215) 428	PA 19067		Ticket: In: Out:	3150000318 Date 4/5/2010 4/5/2010	63 Time 09:17:45 09:18:02	Scale Scale 1 P.T.
Manifest: Vehicle ID: Act 90 Decal: Customer:	TEV04 WH1548		Gross: Tare: Net:	Lbs 73420 24140 49280	Tns 3 6. 71 12. 07 24 . 64	
	L.E. Carpenter & Company 33587 Walker Rd. Avon Lake, OH 44012		semaM dc	Dayco Corp	n St.	enter Sup
Origin	Materials & Service	25		Quantity	Unit	
Mot Applicable	Soil Treatment Type	≥ IV	- 1649 1944 1844 1844 1844 1844 1844 1844	24.64	Tris	en ann ann am am am ann ann ann ann ann a

Storano Orgas Orga 1

	n Court n, PA 18067 75-6900	Do	cument		103802				
THIS SECTION 1	O BE COMPLETED BY GEN	VERATOR:							
COMPANY NAMI	E/ADDRESS		II.	CASE OF EMERGENC	Y OR SPILL CONT	ACT			
33587 Wa	Ker Road 1	ite Address: 70 N. Main Street	2	Ra 4 HOUR EMERGENCY P	pid Response, HONE #	Inc.			
Avon Lake	, OH. 44012 V	Vinanton, NJ 07885		:	877-460-1038	8			
QUANTITY	SIZE/TYPE	DESCRIPTION			APPROVAL CODE	WEIGHT/VOLUME			
XX1	TO I	Non-Hazardous Soil, D	OT/RCF	RA Non-Regulated	103150018	Est. 22 Tons			
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					17 22 23 24 24 24				
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		Clean Earth PC) # O1-1	03802-01					
ys Company Tag			and the same of th			· · · · · · · · · · · · · · · · · · ·			
classified, described	at the above named waste(s) and labeled representation according to the OT and the EPA.	d and are in PRINT NAME	Carre	TURE LURENCE & Company		DATE 4/5/10			
THIS SECTION T	O BE COMPLETED BY HAU	LER / TRANSPORTER:	*			#8.			
COMPANY NAME	=======================================	ADDRES				PHONE NO			
Rainbow T	rucking			Park Road , NJ 07640		(973) 598 8845			
VEHICLE I.D. NO HK937	X NJ	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS			
were accepted for	at the above described waste(s) transportation at the producer's he waste facility. Both as listed	PRINT-DRIVER'S NAME	Cab	oreja		H 15/10			
THIS SECTION T	O BE COMPLETED BY RECE	EIVER AT DISPOSAL FACILI	TY: (ONC	CE SIGNED, A COPY MUS	ST BE FORWARDE	D TO EWMI AND GENERATOR)			
	Earth of Southeast Pennsylvania	⊶ ADDRES	7 Ste	el Road East ille, PA 19057		PHONE NO. 215-428-1700			
COMMENTS									
I Hereby certify that	the above described wastes were	AUTHORIZED SIGNATU	JRE			DATE			
delivered to this Fac and permitted to rec	ility, that the Facility is authorized eive such wastes.	PRINT NAME		10		4.5.10			
					*	1			

		to de	•	*	
	f Southeast Pennsylvania	Ticket	: 3150000318 Date)60 Time	Scale
7 Steel Road (Morrisville,		In		09:00:12	Scale 1
Ph: (215) 428		Out	4/5/2010	09:00:42	р.т.
		· į Å	L.bs	Tns	
Manifest:	27451	Gross	75740	37.87	
Vehicle ID:	GRE209	Tare	27440	13.72	
Act 90 Decal:	WH12291	Net	48300	24. 15	
Customer:					
·		cility Approval#			
	L.E. Carpenter & Company		: Dayco Corp		enter Sup
Gen Address:	33587 Walker Rd.	Job Address	: 170 N. Mai	.n St.	
	Avon Lake, OH 44012		Wharton, h	IJ 07885	
Origin	Materials & Services		Quantity	Unit	
Not Applicable	Soil Treatment Type I	V	24. 15	Tns	wys wire early ways do to and anno early alle

				4				
	ence and Invoices to Waste Minimizationse, Inc.		Document # 274		151			
14 Brick Kiln C Northampton, I Phone 484-275 Fax 484-275-69	ourt PA 18067 -6900		َّوْ Job/Pro	ject #	103902			
THIS SECTION TO	BE COMPLETED BY	GENERATOR:	1		€			
COMPANY NAME/A	DDRESS			IN CASE OF EMERGEN	CY OR SPILL CONT	ACT		
	er & Company	Sile Address:		<u> </u>	inc.			
33587 Walke Avon Lake, C		170 M. Main Stree Wharton, NJ 078		24 HOUR EMERGENCY	PHONE # 877-460-1038	38		
QUANTITY	SIZE/TYPE	· .	DESCRIPTION	DN .	APPROVAL CODE	WEIGHT/VOLUME		
XXI	DT	Non-Hazardous S	Soil, DOT#	RCRA Non-Regulated	103150018	Est. 22 Tons		
	4					**************************************		
			• .					
			z					
		Clean Fa	wth PO#0	11-103802-01				
					N.			
classified, described, p	the above named waste ackaged, marked, and la	abeled and are in	ERATOR'S SIG	SNATURE		DATE		
proper condition for the regulations of the DOT	ansportation according and the EPA.	1	T NAME Translation for the	wheth of L.E. Compositor & Compuny		1/3//0		
THIS SECTION TO	BE COMPLETED BY	HAULER / TRANSPORTI	ER:			. See		
COMPANY NAME		A	DDRESS			PHONE NO.		
Rainbow Tru	cking			ens Park Road wn, NJ 07840	(973) 598 8845			
VEHICLE J.D. NO.	STATE	BOX NUMBER-IN		BOX NUMBER-OUT		COMMENTS		
AMBOT	المل	\perp α Λ						
were accepted for tran	ne above described was	cer's	ATURE	Zapaka		DATE 105/10		
site for delivery to the hereupon.	waste facility. Both as I	isted PRINT PRIVER	SNAME Z	apala	<u></u>	04/05/14		
THIS SECTION TO I	BE COMPLETED BY I	RECEIVER AT DISPOSAL	FACILITY: (ONCE SIGNED, A COPY M	UST BE FORWARDE	D TO EWMI AND GENERATOR)		
	arth of Southeast armsylvania			Steel Road East risville, PA 19067		PHONE NO. 215-428-1700		
COMMENTS	от от у от все иных		nusta			The second secon		
I Hereby certify that the	above described wastes	AUTHORIZED S	IGNATURE			DATE		
	, that the Facility is autho			160	· · ·	4.5.10		



Faster, smarter, greener solutions...

March 23, 2010

Cheryl L. Fitzgerald Environmental Waste Minimization, Inc. Rapid Response, Inc. 14 Brick Kiln Court Northampton, PA. 18067

Re: Approval letter for the Wharton Project

Dear Ms. Fitzgerald:

Clean Earth of Southeast Pennsylvania, Inc. (CESP) has received the analytical results for the above referenced Site. Based on the Site profile and the information received, CESP has approved 5,140 tons for shipment. CESP has assigned approval No. 103150018 to the project.

If you have any questions or require further information, please contact me at 215-428-1700 or email at jsiravo@cleanearthinc.com.

Sincerely,

Joseph M. Siravo Technical Manager

Clean Earth of Southeast Pennsylvania



L.E. Carpenter & Company hereby gives RMT Inc. authorization to sign on our behalf all waste characterization reports, shipping paperwork, manifests, and bill of ladings associated with the transportation and disposal of special waste from the L.E. Carpenter's Wharton, New Jersey property.

Ernie Schaub

Manager, Environmental Services

23 March 2010

Date

		"r type. (Form design	ned for use on elite	e (12-pitch) typewriter.								. OMB No. :	2050-0039
	ORM HAZARDOUS 1. Generator ID Number 2. Page 1 of 3. Emergence							e Phone	4. Manifest	Tracking Nur	nber_ 1	0 .	11.7
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Н	Generator's Phone: (a) (a - 9/5 - 3/acy												
П	Environmental Waste Minimization Inc												
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	11.9 EDAID Number												
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	m	arked and labeled/placar	ded, and are in all res	spects in proper condition	for transport according	to applicable int	ernational and nat	ional govern	mental regulations.	If export ship	ment and I	am the Prima	ary
		xporter, I certify that the c						II.	onerator) in true				
	_	certify that the waste mini		entined in 40 CFR 262.2			r (b) the am a sou	er quantity go	enerator) is true.		Mor	nth Day	Year
	Genera	tor's/Offeror's Printed/Typ	ped Name		L.E. Corper	er Signature	- 1	10	A				+1
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INT	16. Inte	ernational Shipments	Import to U			rt from U.S.	Port of en		()				
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P		's Phone:	ih . / Oh								LMa	nth Day	Vecu
쁜	100. 30	gnature of Alternate Facili	ity (or Generator)								1010	onth Day	Year
Z				Mario, State In		All and the							
SiG	19. Haz	zardous Waste Report Ma	anagement Method C	odes (i.e., codes for haza	rdous waste treatment,	disposal, and re	cycling systems)	HAMP				0100	
DESIGNATED FACILITY	1.	LIND	X	2.		3.		TELL III	4.				7,19
11	-	111111				1							
	20. Des	signated Facility Owner or	r Operator: Certification	on of receipt of hazardous	materials covered by the	ne manifest eyes	nt as noted in Iter	n 18a			10 .	F.J. L.	
	-	Typed Name			7	Signature					Moi	nth Day	Year
	1	AMES	Z. 51	errou			1				10	414	110
4								-	-			111	1/

Ross Incineration Services, Inc 36790 Giles Road, Grafton, Ohio 440		m_a s	L E P		<u>ct Su</u> 748-5800		1	TT-	4/14/10 S EPA ID# 0	Page	
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former WPS# (if applicable) 2. GENERATOR INFORMATION		Please	do not		ny blank ss contac	-	Voicto	~	I. WE	'D# 44	334
Generator: L. E. CARPENTER CO					ss contac ss title:	_	nersce	1			
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Plant Address: 170 N MAIN ST					y Address Northampt		IVII OIIII		te: PA Zip:	18067	
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Emergency #: (877)-460-1038				•	Northampt				te: PA Zip:	18067	
After hours #: (610)-264-8280					(484) -27				1: (
3. GENERAL INFORMATION						-			LA activity		
Waste name: CONTAMINATED SOIL				-					from anothe	r compa	ny:
					u the ori						
Generator code:				_	-				tions or ex	-	s:
SIC code: RES					=	0 Mg Ger	nerator	, per 40	0 CFR 61.34	0: N	
Waste generating process: SUPERFUND											
Primary business activity at general	ting f	Eacility:									
Rate of Generation				ime				_	reement Ent	-	
Container		Quantit	-	riod	Accum	Y			ral waste m	IN.	
DRUMS			3 YE	AR	3			Subpart			
							VOC	> 500 I	ppm: N		
Physical Descr: VARIOUS COLORED SOL											
4. SHIPPING CONTAINERS (must meet Do	OT/RCF	_	ements)		SOURCE O						
Drum Size Material of		D.O.T.			used to		_		ve		
Gal. Construction		Specifica	tion		of the a	nalyzed	waste:				
55 STEEL/POLY											
55 STEEL/POLY					TOR KNOWL	EDGE					
oo Stemu/Popa				GRAB	TOR KNOWL	EDGE					
oo Steel/FOLY					TOR KNOWL	EDGE					
				GRAB	TOR KNOWL	EDGE					
Bulk shipment:			-	GRAB Other:							
Bulk shipment: Pallet: N Gaylord: N Hopper: N Drum:			-	GRAB Other:	SPECIFIC	ANALYSI		_			
Bulk shipment: Pallet: N Gaylord: N Hopper: N Drum: Overall: Length: Width: Height	t:	Volume:		GRAB Other: 7. A. Orga	SPECIFIC	ANALYSI d Tot	al	B. Met	tals maximu		
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Bulk shipment: Pallet: N Gaylord: N Hopper: N Drum: Overall: Length: Width: Height Waste: Length: Width: Height	t:	Volume:	-	GRAB Constant Range S	SPECIFIC anic Boun stituents ge Wt%: Y	ANALYSI d Tot Concer Range	al ntration Wt%:	B. Met n Sb As	tals maximu 25.00p Pb 10.00p Hg	25 . 1	.00
Bulk shipment: Pallet: N Gaylord: N Hopper: N Drum: Overall: Length: Width: Height Waste: Length: Width: Height	t: t:	Volume:	-	GRAB Other: 7. A. Org: Con: Ran: S	SPECIFIC anic Boun stituents ge Wt%: Y	ANALYSI d Tot Concer Range .0	al ntration Wt%:	B. Met n Sb As Ba	tals maximu 25.00p Pb 10.00p Hg 25.00p Ni	25 . 1	.00
Bulk shipment: Pallet: N Gaylord: N Hopper: N Drum: Overall: Length: Width: Height Waste: Length: Width: Height 5. CHEMICAL COMPOSITION Components including but not limited	t: t: d	Volume:	-	GRAB Cone Rang S C1 F	SPECIFIC anic Bounstituents ge Wt%: Y	ANALYSI d Tot Concer Range .0 .0	tal ntration Wt%: .1 .1	B. Met n Sb As Ba Be	tals maximu 25.00p Pb 10.00p Hg 25.00p Ni 1.00p Se	25 . 1 . 1	.00
Bulk shipment: Pallet: N Gaylord: N Hopper: N Drum: Overall: Length: Width: Height Waste: Length: Width: Height 5. CHEMICAL COMPOSITION Components including but not limited to 40 CFR 261 Subpart B, C & D Co	t: t: d	cration	РРМ	GRAB Cone Range Cone Scott	SPECIFIC anic Boundstituents ge Wt%: Y .0 .1 .0 .1	ANALYSI d Tot Concer Range .0 .0	tal ntratio wt%: .1 .1 .1	B. Met n Sb As Ba Be Cd	25.00p Pb 10.00p Hg 25.00p Ni 25.00p Ni 1.00p Se 20.00p Ag	25 . 1 . 1 . 25	.00
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Bulk shipment: Pallet: N Gaylord: N Hopper: N Drum: Overall: Length: Width: Height Waste: Length: Width: Height 5. CHEMICAL COMPOSITION Components including but not limited to 40 CFR 261 Subpart B, C & D Co Chemical Components CONTAMINATED SOIL: PAINT CONSISTING OF: NON-HALOGENATED SOLVENTS: (XYLENE,	t: t: d oncent Range 95.00 2.00	Tration Wt% 98.00 5.00	.00	GRAB	SPECIFIC anic Boundstituents ge Wt%: Y .0 .1 .0 .1 .0 .1 .0 .1 .0 .1	ANALYSI d Tot Concer Range .0 .0 .0 .0 .0 .0 .0	Eal ortration with the contraction of the contracti	B. Met n Sb As Ba Be Cd Cr Cu Li 9.5 2.3	25.00p Pb 10.00p Hg 25.00p Ni 1.00p Se 20.00p Ag 25.00p Tl 1.00p Zn 1.00p Mo 9.8% Si 2.4% Na	25 1 25 25 1 1 28.6	.00
Bulk shipment: Pallet: N Gaylord: N Hopper: N Drum: Overall: Length: Width: Height Waste: Length: Width: Height 5. CHEMICAL COMPOSITION Components including but not limited to 40 CFR 261 Subpart B, C & D Commical Components CONTAMINATED SOIL: PAINT CONSISTING OF: NON-HALOGENATED SOLVENTS: (XYLENE, TOLUENE, BIS(2-ETHYLHEXYL) PHTH-	t: t: d oncent Range 95.00 2.00 .00	######################################	.00	GRAB Other: 7. A. Orga Constitution Rang S Cl F Br I N P C. Doe: PCBs: '	SPECIFIC anic Boundstituents ge Wt%: Y .0 .1 .0 .1 .0 .1 .0 .1 .0 .1 .0 .1 .0 .1 .0 .1 .0 .1 .0 .1 .0 .1	ANALYSI d Tot Concer Range .0 .0 .0 .0 .0 .0	tal ntratio www.t. .1 .1 .1 .1 .1 .1 Mg min: K	B. Met n Sb As Ba Be Cd Cr Cu Li 9.5 2.3 2.9	25.00p Pb 10.00p Hg 25.00p Ni 1.00p Se 20.00p Ag 25.00p Tl 1.00p Zn 1.00p Mo 9.8% Si 2.4% Na	25 1 25 25 27 28 1 28 29	.00
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Bulk shipment: Pallet: N Gaylord: N Hopper: N Drum: Overall: Length: Width: Height Waste: Length: Width: Height 5. CHEMICAL COMPOSITION Components including but not limited to 40 CFR 261 Subpart B, C & D Components CONTAMINATED SOIL: PAINT CONSISTING OF: NON-HALOGENATED SOLVENTS: (XYLENE, TOLUENE, BIS(2-ETHYLHEXYL) PHTH- ALATE, 1,3,5-TRIMETHYL BENZENE, ETHYL BENZENE, NAPHTHALENE)	t: t: d oncent Range 95.00 2.00 .00 .00	######################################	.00	GRAB Other: 7. A. Orga Com Rang S Cl F Br I N P C. Does PCBs: T	SPECIFIC anic Boundstituents ge Wt%: Y .0 .1	ANALYSI d Tot Concer Range .0 .0 .0 .0 .0 .0 te conta ppm Is this	tal ntratio Wt%: .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .2 .1 .3 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4	B. Met n Sb As Ba Be Cd Cr Cu Li 9.5 2.3 2.9	tals maximu 25.00p Pb 10.00p Hg 25.00p Ni 1.00p Se 20.00p Ag 25.00p Tl 1.00p Zn 1.00p Mo 9.8% Si 2.4% Na 2.9%	25 1 1 25 25 1 1 28.6 2.9	.00
Bulk shipment: Pallet: N Gaylord: N Hopper: N Drum: Overall: Length: Width: Height Waste: Length: Width: Height 5. CHEMICAL COMPOSITION Components including but not limited to 40 CFR 261 Subpart B, C & D Commical Components CONTAMINATED SOIL: SPAINT CONSISTING OF: NON-HALOGENATED SOLVENTS: (XYLENE, TOLUENE, BIS(2-ETHYLHEXYL) PHTH- ALATE, 1,3,5-TRIMETHYL BENZENE, ETHYL BENZENE, NAPHTHALENE) 60-90%	t: t: d oncent Range 95.00 2.00 .00 .00	98.00 5.00 .00 .00	.00	GRAB Other: 7. A. Orga Rang S Cl F Br I N P C. Doe: PCBs: Asbeste	SPECIFIC anic Boundstituents ge Wt%: Y .0 .1	ANALYSI d Tot Concer Range .0 .0 .0 .0 .0 .0 .0 te conta ppm Is this	tal ntratio Wt%: .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .2 .1 .3 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4	B. Met n Sb As Ba Be Cd Cr Cu Li 9.5 2.3 2.9	tals maximu 25.00p Pb 10.00p Hg 25.00p Ni 1.00p Se 20.00p Ag 25.00p Tl 1.00p Zn 1.00p Mo 9.8% Si 2.4% Na 2.9% egulated: N	25 1 1 25 25 1 1 28.6 2.9	.00
Bulk shipment: Pallet: N Gaylord: N Hopper: N Drum: Overall: Length: Width: Height Waste: Length: Width: Height 5. CHEMICAL COMPOSITION Components including but not limited to 40 CFR 261 Subpart B, C & D Co Chemical Components CONTAMINATED SOIL: 9 PAINT CONSISTING OF: NON-HALOGENATED SOLVENTS: (XYLENE, TOLUENE, BIS(2-ETHYLHEXYL) PHTH- ALATE, 1,3,5-TRIMETHYL BENZENE, ETHYL BENZENE, NAPHTHALENE) 60-90% PIGMENTS/FILLERS: (TITANIUM DI-	t: t: d oncent Range 95.00 2.00 .00 .00	2:ration 2: Wt% 98.00 5.00 .00 .00 .00 .00	.00	GRAB Other: 7. A. Orga Con Ran S Cl F Br I N P C. Doe: PCBs: Asbeste	SPECIFIC anic Boundstituents ge Wt%: Y .0 .1	ANALYSI d Tot Concer Range .0 .0 .0 .0 .0 .0 .0 te conta ppm Is this	tal ntratio Wt%: .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .2 .1 .3 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4	B. Met n Sb As Ba Be Cd Cr Cu Li 9.5 2.3 2.9	tals maximu 25.00p Pb 10.00p Hg 25.00p Ni 1.00p Se 20.00p Ag 25.00p Tl 1.00p Zn 1.00p Mo 9.8% Si 2.4% Na 2.9% egulated: N	25 1 1 25 25 1 1 28.6 2.9	.000
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Bulk shipment: Pallet: N Gaylord: N Hopper: N Drum: Overall: Length: Width: Height Waste: Length: Width: Height 5. CHEMICAL COMPOSITION Components including but not limited to 40 CFR 261 Subpart B, C & D Co Chemical Components CONTAMINATED SOIL: PAINT CHANGENATED SOLVENTS: (XYLENE, TOLUENE, BIS (2-ETHYLHEXYL) PHTH- ALATE, 1,3,5-TRIMETHYL BENZENE, ETHYL BENZENE, NAPHTHALENE) 60-90% PIGMENTS/FILLERS: (TITANIUM DI- OXIDE, CARBON BLACK, SILICA, TALC) 10-40% RESINS: (ALKYD, URETHANES) 10-40% CHLORINATED COMPOUNDS: (CHLOROBEN- ZENE, 1,2-DICHLOROETHANE) 0-5%	t: t: d oncent Range 95.00 .00 .00 .00 .00 .00 .00	######################################	.00 .00 .00 .00 .00 .00 .00 .00	GRAB GRAB Other: 7. A. Orga Rang S C1 F Br I N P C. Does PCBs: Asbesta Insect: Insect:	SPECIFIC anic Boundstituents ge Wt%: Y .0 .1 .0 .1 .0 .1 .0 .1 .0 .1 sthe was Y 1-49 pos: N dicides, p	ANALYSI d Tot Concer Range .0 .0 .0 .0 .0 .0 te conta ppm Is this esticide ame	tal ntration Wt%: .1 .1 .1 .1 .1 .1 .1 symmetric waste	B. Met n Sb As Ba Be Cd Cr Cu Li 9.5 2.3 2.9 TSCA re bicides	tals maximu 25.00p Pb 10.00p Hg 25.00p Ni 1.00p Se 20.00p Ag 25.00p Tl 1.00p Zn 1.00p Mo 9.8% Si 2.4% Na 2.9% egulated: N	25 1 1 25 25 1 1 28.6 2.9	.00 .26 .00 .00 .00 .00 .00
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I hereby certify that I have personally examined and am familiar with the information submitted in this and all attached documents. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is thus, accurate and complete and all known and suspected hazards have been disclosed.

Nichdas J. Clevett on behalf of L.E. Carpenter & Campany

Print Name

Senior Client Service Mannet

Print Title



February 16, 2010

Re: Soil Certification Letter at 20 Lanadex Plaza, Parsippany, NJ 07054-Stockpile of Material

Dear Mr. Cordasco:

On January 28th, 2010 I went on site at the above referenced property and performed soil sampling of approximately 9,000 yards of stockpile material. The soil was sampled using sanitized instruments and was placed in three eight ounce sterile jars. All work activities were conducted in accordance with all local, state and federal regulations. The sample being collected is typical for disposal of between 500 and 800 yards of material. The soil came back below all NYSDEC TAGM unrestricted reuse and NJSCC Residential reuse parameters and can be considered clean material, please see attached analytical results.

Upon review should you have any questions please feel free to contact me at () 967-2484. Thank you for the opportunity to submit this proposal and we look forward to working with you on this project.

Sincerely,

Landmark Consultants Corp.

Andrew L. Gasparro President

dc: file: 09-1678

Soil-Tec LLC

12 Taylor Road Wharton, NJ 07885-1502 Phone: 973-891-1795 Fax: 973-891-1797

soiltec@optonline.net



To: ①	ση		From:	Ocan	John	グノ ース <u>************************************</u>
Attn: () e 1		Pages:	includin	g cover	
Fax:			Date:	Novembe	r 17, 200	09
Phone:	973202-3	177	Re:		annaan naan naan naan naan naan naan n	
□ Urgent	X Attached	🛘 Please Com	ment	□ Please R	eply	☐ For information

Comments:

	Unrestricted	Lanadex
Contaminant	Re-Use	Plaza
Units	mg/kg	mg/kg
Semivolatile Org	anic Compounds	
Chrysene	1	N/D
Dibenz(a,h)anthracene	0.33	N/D
Fluoranthene	100	N/D
Fluorene	30	N/D
Indeno(1,2,3-cd)pyrene	0.5	N/D
m-Cresol	0.33	NID
Naphthalene	12	N/D
o-Cresol	0.33	N/D
p-Cresol	0.33	N/D
Pentachlorophenol	0.8	N/D
Phenanthrene	100	N/D
Phenol	0.33	NID
Pyrene	100	N/D
Volatile Organ	ic Compounds	
1,1,1-Trichloroethane	0.68	N/D
1,1-Dichloroethane	0.27	N/D
1,1-Dichloroethene	0.33	N/D
1,2-Dichlorobenzene	1.1	N/D
1,2-Dichloroethane	0.02	N/D
cis-1,2-Dichloroethene	0.25	N/D
trans-1,2-Dichloroethene	0.19	N/D
1,3-Dichlorobenzene	2.4	N/D
1,4-Dichlorobenzene	1.8	N/D
1,4-Dioxane	0.1	N/D
Acetone	0.05	N/D
Benzene	0.06	N/D
n-Butylbenzene	12	N/D
Carbon tetrachloride	0.76	N/D
Chlorobenzene	1.1	N/D
Chloroform	0.37	N/D
Ethylbenzene	1	N/D
Hexachlorobenzene	0.33	N/D
Methyl ethylketone	0.12	N/D
Methyl tert-butyl ether	0.93	N/D
Methylene chloride	0.05	N/D
n-Propylbenzene	. 3.9	N/D
sec-Butylbenzene	11	N/D
tert-Butylbenzene	5.9	N/D
Tetrachloroethene	1.3	N/D
Toluene	0.7	N/D
Trichloroethene	0.47	N/D
1,2,4-Trimethylbenzene	3.6	N/D
1,2,5-Trimethylbenzene	8.4	N/D
Vinyl chloride	0.02	N/D
Xylene (mixed)	0.26	NVD

NYSDEC TAGM Soil Clean Up Objectives

	Unrestricted	Lanadex
Contaminant	Re-Use	Plaza
Units	mg/kg	mg/kg
Met		
Arsenic	13	1,1
Barium	350	47.6
Beryllium	7.2	0.67
Cadmium	2.5	0.39
Chromium Hexavalent	1	n/a
Chromium	30	21.5
Copper	50	33.2
Total Cyanide	27	0.51
Lead	63	8.87
Manganeses	1600	691
Total Mercury	0.18	.<07
Nickel	30	18.9
Selenium	3.9	<1.6
silver	2	<.39
Zinc	109	46.3
PCB's/Pe		
2,4,5-TP Acid (Silvex)	3.8	N/D
4,4'-DDE 4,4'-DDT	0.0033	N/D
L	0.0033	N/D
4,4'-DDD	0.0033	N/D
Aldrin	0.005	N/D
alpha-BHC	0.02	N/D
beta-BHC	0.036	N/D
Chlordane (alpha)	0.0947	N/D
delta-BHC	0.04	N/D
Dibenzofuran	7	N/D
Dieldrin	0.005	N/D
Endosulfan I	2.4	N/D
Endosulfan II	2.4	N/D
Endosulfan Sulfate	2.4	N/D
Endrin	0.014	N/D
Heptachlor	0.042	N/D
Lindane	0.01	N/D
Polychlorinated Biphenyls	0.01	N/D
Semivolatile Orga		1
Acenaphthene	20	N/D
Acenapthylene	100	N/D
Antracene	100	N/D
Benz(a)anthracene	1	N/D
Benzo(a)pyrene	1	N/D
Benzo(b)fluoranthene	1	N/D
Benzo(g,h,i)pyrene	100	N/D
Benzo(k)fluoranthene	80.0	N/D



Accredited Analytical Resources, LLC

August 20, 2009

Randy Staley Nick Porchetta Contracting 201 Wilton Avenue Middlesex, NJ 08846

Dear Randy:

Re: Stockpile @ Riverdale AAR Case #3544

This confirms, that to the best of our knowledge, for the parameters tested, the soil analyses pass for New Jersey Residential Soil Cleanup Criteria based on the list last revised 6/2/2008.

Except for the parameters tested AAR, LLC makes no representation as to the quality of the soil samples.

If you have any questions or need further assistance, please call Willie Urbiztondo at 732-969-6112, ext. 109.

Sincerely,

Daniel Miguel

Technical Director

WU:ki

Page of CHAIN OF CUSTODY FORM
NCY NO PA CT DE OTHER
Stockpile @ Riverdale
Randy Staley
132 - 926-8919
732 - 926 - 8917
·

P.O.#

ACCREDITED ANALYTICAL RESOURCES, LLC

20 PERSHING AVENUE CARTERET, NEW JERSEY 07008 PHONE (732) 969-6112 FAX (732) 541-1383 accreditedanalytical.com

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CLIENT	Nick	Porduett	a (on from	din	
ADDRESS	201	wilton	Ne		1	13
CITY	Mide	llisex		4 -		
STATE	N.)		4P 08	846	

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONT AIN- ERS	MATRI	PRESE RVA- TIVE	DATE / TIME SAMPLED	SAM	PLE DESCR	IPTION	ANALYSIS
	Pur-1	1	Ŝ		8/14/09	GRAB	COMPOSITE	DEPTH 14/1	
	RUR-2	1	5		9:50			- 1)	
0906016	PUR-3	3	5	7	10:15			2'	NJSCC VO
	RUR-4	1	5		10.20			tv .	
	RUR-5	1	Ś		10:23			2'	
	·				£				
0906017	DURCTUP	1					5-1		Fuel NJSCC wh
									Fuel NJSCC who
				. 1					
				-4.			·		
			1						·
, , ,							*		
** M = MATRIX CODE	S=SOIL G=SLUE GW=GROUND W								=POTABLE WATER

STATE AGENCY

PROJECT

PHONE FAX

E-MAIL

TURNAROUND T	IME 72 h	rs. TAT		(IF BLANK, STD	3 WEEKS)	
RECIEVED W/ ICE? YE	SE NO TEMPERA	TURE: 4°	Ċ			
QA/QC DELIVERAE (circle one)	SLES STD	NJREDUCED) NJFULL	OTHER: NYASP	Cat. A NYAS	P Cat. B	
PRESERVATIVE CODE:	1=HCL 2=HNO ₃ 3=H	$_2SO_4$ 4=Na $_2S_2O_3$ 5=Na	OH 6=MeOH 7=OT	HER		
RELINQUI	SHED BY:	RECEIVE	D BY:	ORGANIZATION	DATE TIME	REASON
PRINT	SIGN	PRINT	SIGN	ONGANZAHON	DAIL FIVE	NEASON
A. REYWERA	Orfen	J. LAVAJ	d. Lam	AAR	8/14 1130	ANALYSIS
			0			/
PERSON(S) ASSUMING	RESPONSIBILITY FOR	SAMPLING: PRINT: W .	M. Whi Andi	SIGN: _	20	<u></u>
(gu	posite @ 29	the is we have		AAR QUOTE#	13/2	
COMMENTS	(D		AAR CASE #		3544

ACCREDITED ANALYTICAL RESOURCES, LLC VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name:	NPC			CLIENT SAMPLE NO
Case No.:	3544			RVR-3
Project:	Stockpile@ Riv	rerdale		
Matrix: (soil/wa	ter) SOIL	_	Lab Sample ID:	0906016
Sample wt/vol:	5	Unit: G	Lab File ID:	A5147.D
Level: (low/med	l) LOW		Date Collected:	08/14/2009
% Moisture:	9		Date Analyzed:	08/19/2009
GC Column:	Rtx-624	ID:0.25(mm)	Dilution Factor:	1
Soil Extract Vol	lume: 1	(ul)	Soil Aliquot Vol(ul.)	1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6.6	11
107-13-1	Acrylonitrile	ND	Ū	2.2	11
67-64-1	Acetone	5.6	В	1.1	2.2
75-71-8	Dichlorodifluoromethane	ND	Ū	1.1	2.2
74-87-3	Chloromethane	ND	Ū	1.1	2.2
67-64-1	Vinyl Chloride	ND	Ū	1.1	2.2
74-83-9	Bromomethane	ND	Ū	1.1	2.2
75-00-3	Chloroethane	ND	Ü	1.1	2.2
75-69-4	Trichoroflouromethane	ND	Ŭ	1.1	2.2
75-35-4	1.1-Dichloroethene	ND	Ū	1.1	2.2
75-15-0	Carbon disulfide	ND	Ū	1.1	2.2
75-09-2	Methylene Chloride	11	В	1.1	2.2
156-60-5	trans-1,2-Dichloroethene	ND	Ū	1.1	2.2
75-34-3	1,1-Dichloroethane	ND	Ü	1.1	2.2
789-33-3	2-Butanone	ND	Ü	1.1	2.2
156-59-2	cis-1,2-Dichloroethene	ND	Ü	1.1	2.2
67-66-3	Chloroform	ND	Ü	1.1	2.2
71-55-6	1,1,1-Trichloroethane	ND	U	1.1	2.2
75-65-0	T-butyl alcohol	ND ND	l ü	1.1	22
56-23-5	Carbon Tetrachloride	ND	Ü	1.1	2.2
107-06-2	1,2-Dichloroethane	ND	U	1.1	2.2
71-43-2	Benzene	ND	l ü	1.1	2.2
79-01-6	Trichloroethene	ND	Ū	1.1	2.2
78-87-5	1,2-Dichloropropane	ND	Ū	1.1	2.2
75-27-4	Bromodichloromethane	ND	Ū	1.1	2.2
10061-01-5	cis-1,3-dichloropropene	ND	l ū	1.1	2.2
108-88-3	Toluene	ND	Ū	1.1	2.2
10061-02-6	trans-1,3-Dichloropropene	ND	ŤŪ	1.1	2.2
79-00-5	1,1,2-Trichloroethane	ND	Ū	1.1	2.2
108-10-1	4-Methyl-2-pentanone	ND	Ū	1.1	2.2
106-93-4	1,2-Dibromoethane	ND	Ū	1.1	2.2
127-18-4	Tetrachloroethene	ND	Ū	1.1	2.2
124-48-1	Dibromochloromethane	ND	Ū	1.1	2.2
100-41-4	Ethylbenzene	ND	Ū	1.1	2.2
108-90-7	Chlorobenzene	ND	Ū	1.1	2.2
630-20-6	1,1,1,2-Tetrachloroethane	ND	Ŭ	1.1	2.2
1330-20-7	m,p-Xylene	ND	Ü	1.1	4.4
95-47-6	o-Xylene	ND	Ü	1.1	4.4
100-42-5	Styrene	ND	Ü	1.1	4.4
75-25-2	Bromoform	ND	l ü	1.1	2.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	Ü	1.1	2.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND	Ū	1.1	2.2

ACCREDITED ANALYTICAL RESOURCES, LLC VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name:	NPC		CLIENT SAMPLE NO	
Case No.:	3544			RVR-3
Project:	Stockpile@ Riv	erdale		
Matrix: (soil/water	r) SOIL	_	Lab Sample ID:	0906016
Sample wt/vol:	5	Unit: G	Lab File ID:	A5147.D
Level: (low/med)	LOW		Date Collected:	08/14/2009
% Moisture:	9	_	Date Analyzed:	08/19/2009
GC Column:	Rtx-624	ID: <u>0.25</u> (mm)	Dilution Factor:	1
Soil Extract Volum	ne: 1	 (μL)	Soil Aliquot Vol(μL):	1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
120-82-1 1,2,4-Trichlorobenzene	ND	U	1.1	2.2	
87-68-3	Hexachlorobutadiene	ND	U	1.1	2.2
91-20-3	Naphthalene	ND	U	1.1	2.2
1634-04-4	Methyl t-butyl ether	ND	U	1.1	4.4

- J Indicates estimated value when detected below PQL.
- U Indicates compound analyzed for but not detected.
- D Indicates result is based on a dilution.
- B Indicates compound found in associated blank.
- E Concentration exceeds highest calibration standard.

MDL - Minimum Detection Limit.

PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC SEMIVOLATILES ORGANICS ANALYSIS DATA SHEET

Client Name: NPC **CLIENT SAMPLE NO** 3544 RVR COMP Case No.: Project: Stockpile @ Riverdale Matrix: (soil/water) SOIL Lab Sample ID: 0906017 Lab File ID: F5434.D Sample wt/vol: 30 Unit: G LOW **Date Collected:** 08/14/2009 Level: (low/med) % Moisture: 11.3 **Date Extracted** 08/17/2009 1000 (µL) **Concentrated Extract Volume:** Date Analyzed: 08/18/2009

Dilution Factor:

1

GPC Cleanup: (Y/N) N Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	ND	U	38	190
108-95-2	Phenol	ND	U	38	190
111-44-4	bis(2-Chloroethyl)ether	ND	U	38	190
95-57-8	2-Chlorophenol	ND	U	38	190
541-73-1	1,3-Dichlorobenzene	ND	U	38	190
106-46-7	1,4-Dichlorobenzene	ND	U	38	190
100-51-6	Benzyl alcohol	ND	U	38	190
95-50-1	1,2-Dichlorobenzene	ND	U	38	190
95-48-7	2-Methylphenol	ND	U	38	190
108-60-1	bis(2-chloroisopropyl)ether	ND	U	38	190
106-44-5	3&4-Methylphenol	ND	U	38	190
621-64-7	N-Nitroso-di-n-propylamine	ND	U	38	190
67-72-1	Hexachloroethane	ND	U	38	190
98-95-3	Nitrobenzene	ND	U	38	190
78-59-1	Isophorone	ND	U	38	190
88-75-5	2-Nitrophenol	ND	U	38	190
105-67-9	2,4-Dimethylphenol	ND	U	38	190
65-85-0	Benzoic Acid	ND	U	94	190
111-91-1	bis(2-Chloroethoxy)methane	ND	U	38	190
120-83-2	2,4-Dichlorophenol	ND	U	38	190
120-82-1	1,2,4-Trichlorobenzene	ND	U	38	190
91-20-3	Naphthalene	ND	U	38	190
106-47-8	4-Chloroaniline	ND	U	38	190
87-68-3	Hexachlorobutadiene	ND	U	38	190
59-50-7	4-Chloro-3-methylphenol	ND	U	38	190
91-57-6	2-Methylnaphthalene	ND	U	38	190
77-47-4	Hexachlorocyclopentadiene	ND	U	38	190
88-06-2	2,4,6-Trichlorophenol	ND	U	38	190
95-95-4	2,4,5-Trichlorophenol	ND	U	38	190
91-58-7	2-Chloronaphthalene	ND	U	38	190
88-74-4	2-Nitroaniline	ND	U	38	190
131-11-3	Dimethylphthalate	ND	U	38	190
208-96-8	Acenaphthylene	ND	U	38	190
99-09-2	3-Nitroaniline	ND	U	38	190
83-32-9	Acenaphthene	ND	U	38	190
51-28-5	2,4-Dinitrophenol	ND	U	38	380
100-02-7	4-Nitrophenol	ND	U	38	190
132-64-9	Dibenzofuran	ND	Ū	38	190
606-20-2	2.6-Dinitrotoluene	ND	Ū	38	190
121-14-2	2,4-Dinitrotoluene	ND	Ū	38	190
84-66-2	Diethylphthalate	ND	Ū	38	190

ACCREDITED ANALYTICAL RESOURCES, LLC SEMIVOLATILES ORGANICS ANALYSIS DATA SHEET

Client Name:	NPC			CLIENT SAMPLE NO
Case No.:	3544			RVR COMP
Project:	Stockpile @ Ri	verdale	100 mars -	
Matrix: (soil/wa	iter) SOIL		Lab Sample ID:	0906017
Sample wt/vol:	30	Unit: G	Lab File ID:	F5434.D
Level: (low/med	d) LOW		Date Collected:	08/14/2009
% Moisture:	11.3	_	Date Extracted	08/17/2009
Concentrated E	xtract Volume:	 1000(μ L)	Date Analyzed:	08/18/2009
			Dilution Factor:	1
GPC Cleanup: ((Y/N) N	_	Extraction: (Type)	

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
7005-72-3	4-Chlorophenyl-phenylether	ND	U	38	190
86-73-7	Fluorene	ND	U	38	190
100-01-6	4-Nitroaniline	ND	U	38	190
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	38	190
86-30-6	n-Nitrosodiphenylamine	ND	U	38	190
122-66-7	1,2-Diphenylhydrazine	ND	U	38	190
101-55-3	4-Bromophenyl-phenylether	ND	U	38	190
118-74-1	Hexachlorobenzene	ND	U	38	190
87-86-5	Pentachlorophenol	ND	U	38	190
85-01-8	Phenanthrene	51	J	38	190
120-12-7	Anthracene	ND	U	38	190
84-74-2	Di-n-butylphthalate	ND	U	38	190
206-44-0	Fluoranthene	83	J	38	190
92-87-5	Benzidine	ND	U	94	190
129-00-0	Pyrene	180	J	38	190
85-68-7	Butylbenzylphthalate	ND	U	. 38	190
91-94-1	3,3'-Dichlorobenzidine	ND	U	94	190
56-55-3	Benzo[a]anthracene	53	J	38	190
117-81-7	bis(2-Ethylhexyl)phthalate	ND ND	U	38	190
218-01-9	Chrysene	74	J	38	190
117-84-0	Di-n-octylphthalate	ND	U	38	190
205-99-2	Benzo[b]fluoranthene	45	J	38	190
207-08-9	Benzo[k]fluoranthene	50	J	38	190
50-32-8	Benzo[a]pyrene	54	J	38	190
193-39-5	Indeno[1,2,3-cd]pyrene	ND	U	38	190
53-70-3	Dibenz[a,h]anthracene	ND	U	38	190
191-24-2	Benzo[g,h,i]perylene	ND	U	38	190

J - Indicates estimated value when detected below PQL.

MDL - Minimum Detection Limit.

PQL - Practical Quantitation Level.

U - Indicates compound analyzed for but not detected.

D - Indicates result is based on a dilution.

B - Indicates compound found in associated blank.

E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name:	NPC			CLIENT SAMPLE NO
Case No.:	3544			RVR COMP
Project:	Stockpile @ Riv	verdale		-
Matrix: (soil/wat	er) SOIL		Lab Sample ID:	0906017
Sample wt/vol:	30	Unit: G	Lab File ID:	G1865.D
Level: (low/med)) LOW		Date Collected:	08/14/2009
% Moisture:	11.3	_	Date Extracted	08/15/2009
Extraction: (Type	e) SONC	-	Date Analyzed:	08/17/2009
Concentrated Ex	ktract Volume:		Dilution Factor:	1
			Sulfur Cleanury (V/N)	N

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.752	0.752
58-89-9	gamma-BHC (Lindane)	ND	U	0.752	0.752
76-44-8	Heptachlor	ND	U	0.752	0.752
309-00-2	Aldrin	ND	U	0.752	0.752
319-85-7	beta-BHC	ND	U	0.752	0.752
319-86-8	delta-BHC	ND	U	0.752	0.752
1024-57-3	Heptachlor Epoxide	ND	U	0.752	0.752
959-98-8	Endosulfan I	ND	U	0.752	0.752
5103-74-2	gamma-Chlordane	14.1		0.752	0.752
5103-71-9	alpha-Chlordane	13.8		0.752	0.752
72-55-9	4,4'-DDE	ND	U	1.5	1.5
60-57-1	Dieldrin	1.6	Р	1.5	1.5
72-20-8	Endrin	ND	Ų	1.5	1.5
33213-65-9	Endosulfan II	ND	U	1.5	1.5
72-54 - 8	4,4'-DDD	ND	U	1.5	1.5
50-29-3	4,4'-DDT	ND	U	1.5	1.5
7421-36- 3	Endrin Aldehyde	ND	U	1.5	1.5
1031-07-8	Endosulfan Sulfate	ND	U	1.5	1.5
72-43-5	Methoxychlor	ND	U	7.52	7.52
53494-70-5	Endrin Ketone	ND	U	1.5	1.5
8001-35-2	Toxaphene	ND	U	37.6	37.6
12674-11-2	Aroclor-1016	ND	U	18.8	37.6
11104-28-2	Aroclor-1221	ND	U	18.8	37.6
11141-16-5	Aroclor-1232	ND	U	18.8	37.6
53469-21-9	Aroclor-1242	ND	U	18.8	37.6
12672-29-6	Aroclor-1248	ND	U	18.8	37.6
11097-69-1	Aroclor-1254	ND	U	18.8	37.6
11096-82-5	Aroclor-1260	ND	U	18.8	37.6

- J Indicates estimated value when detected below PQL.
- U Indicates compound analyzed for but not detected.
- D Indicates result is based on a dilution.
- B Indicates compound found in associated blank.
- E Concentration exceeds highest calibration standard.
- P Greater than 25% difference for detected concentrations between the two GC columns.

MDL - Minimum Detection Limit.

PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC INORGANIC ANALYSIS DATA SHEET

Case #:	3544	
Sample #:	0906017	
Field ID:	RVR COMP	
Client Name:	NPC	

Matrix:	Soil
Date Received:	08/14/09

=========						
		Result	MDL	Dilution		Date
CAS No.	Element	MG/KG	MG/KG	Factor	Method	Analyzed
7429-90-5	Aluminum	7430	14.1	1	P	08/17/09
7440-36-0	Antimony	ND	1.69	1	P	08/17/09
7440-38-2	Arsenic	2.66	1.13	1	P	08/17/09
7440-39-3	Barium	44.3	.846	1	P	08/17/09
7440-41-7	Beryllium	.676	.282	1	P	08/17/09
7440-43-9	Cadmium	ND	.282	1	P	08/17/09
7440-47-3	Chromium	12.1	.564	1	P	08/17/09
7440-48-4	Cobalt	5.98	.564	1	P	08/17/09
7440-50-8	Copper	16.2	.564	1	P	08/17/09
7439-92-1	Lead	20.5	2.82	1.	P	08/17/09
7439-96-5	Manganese	516	.564	1	P	08/17/09
7439-97-6	Mercury	ND	.225	1	CA	08/14/09
7440-02-0	Nickel	9.86	.564	1	P	08/17/09
7782-49-2	Selenium	ND	1.13	1	P	08/17/09
7440-22-4	Silver	ND	.282	1	P	08/17/09
7440-28-0	Thallium	ND	1.13	1	P	08/17/09
7440-62-2	Vanadium	23.4	.846	1	P	08/17/09
7440-66-6	Zinc	36.5	5.64	1	P	08/17/09

Percent Solid of 88.7 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP CV - Analyzed by Cold Vapor F - Analyzed by GFA A - Analyzed by flame AA

Accredited Analytical Resources, LLC General Chemistry Analysis Data

 Case #:
 3544

 Sample #:
 0906017

 Client Name:
 NPC

 Field Number:
 RVR COMP

Matrix: Soil

Date Received: 08/14/09

* Moisture: 11.3

				DILUTION	METHOD B	LANK	ANALYSIS
ANALYTES	RESULTS	MDL	UNITS	FACTOR	RESULTS	MDL	DATE
Solids, Percent	88.7	0.1	*	1.			08/17/09
Cyanide, Total	ND	1.11	mg/Kg	1.	ND	0.02	08/19/09

Fax:973-6593867 #1 HOPE QC Jan 15 2010 Fax 9/3+659+3978 12:38 P.U2 Jan 14 2010 07:02am P002/006

TILCON-NY

Mt. Hope Quarry

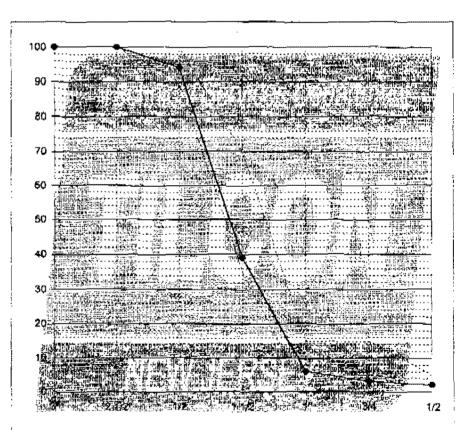
Fax 973-989-0178

625 Mount Hope Rd. • Wharton, N.J. 07946 • 973-366-7741

Typical Gradation,#3 (2 1/2" Clean)

	Project					
	Main St.					
	Wharton, NJ					
	Contractor					
	Dallas					
Sephynous annous an	Contracting					
Sp. Gr	2.68					
Loose 95.7						
Rodded	104					

	Typical	Prod.	Target
	% Pass	Low	High
3,,	100	100	100
2 1/2"	100	100	100
1/2	94	90	100
1 1/2	39	35	70
1"	6		15
3/4	3		15
1/2	2		5



Tilcon Inc confirms that #3 (2.1/2" Clean) available at Mt. Hope Quarry conforms to section 901 of the *New Jersey Department of Transportation StandardSpecifications for Road and Bridge Construction.* The material is defined as virgin Gneiss mined at Mt. Hope Quarry, 625 Mount Hope Road, Block 20001-Lot 6.01 Wharton Borough, Morris County NJ. The material is identified on the job with Tilcon delivery tickets.

The unit weights and voids are for process control and should be verified by the contractor before use.

TILCON-NY

Mt. Hope Quarry

Fax 973-989-0178

625 Mount Hope Rd. - Wharton, N.J. 07946 - 973-366-7741

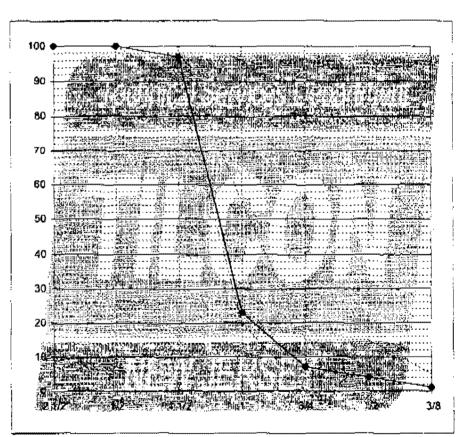
Typical Gradation,#4 (1 1/2" clean)

Project	
Main St.	
Wharton, NJ	

Contractor
Dallas
Contracting

Sp. Gr	2.68
Loose	95.7
Rodded	104

	Typical Prod. Target		
	% Pass	Low	High
2 1/2"	100	100	100
1/2	100	100	100
1 1/2	97	90	100
1"	23	20	55
3/4	7		15
1/2	4	- Harriston A Landa J. Santan	15
3/8	1 1		5



Tilcon Inc confirms that #4 (1 1/2" clean) available at Mt. Hope Quarry conforms to section 901 of the New Jersey Department of Transportation StandardSpecifications for Road and Bridge Construction. The material is defined as virgin Gneiss mined at Mt. Hope Quarry, 625 Mount Hope Road, Block 20001-Lot 6.01 Wharton Borough, Morris County NJ. The material is identified on the job with Tilcon delivery tickets.

The unit weights and voids are for process control and should be verified by the contractor before use.

TILCON-NY

Mt. Hope Quarry

Fax 973-989-0178

625 Mount Hope Rd. - Wharton, N.J. 07946 - 973-366-7741

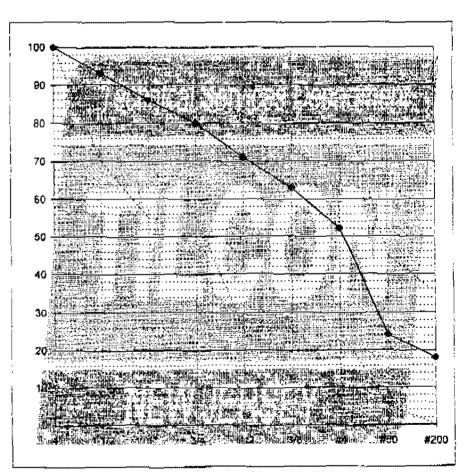
Typical Gradation, Zone 3

Project
Main St
Wharton, NJ

Contractor
Dallas
Contracting
<u> </u>

Sp. Gr	2.74
Loose	95.7
Rodded	104

	Typical	Prod. Target	
	% Pass	Low	High
4"	100	100	100
1 1/2	93	70	100
1"	86	55	100
3/4	80	55	90
1/2	71	25	90
3/8	63	25	90
#4	52	25	90
#50	24	5	45
#200	18		35



Tilcon Inc confirms that Zone 3 available at Mt. Hope Quarry conforms to section 901 of the *New Jersey Department of Transportation StandardSpecifications for Road and Bridge Construction.* The material is defined as virgin Gneiss mined at Mt. Hope Quarry, 625 Mount Hope Road, Block 20001-Lot 6.01 Wharton Borough, Morris County NJ. The material is identified on the job with Tilcon delivery tickets.

The unit weights and voids are for process control and should be verified by the contractor before use.